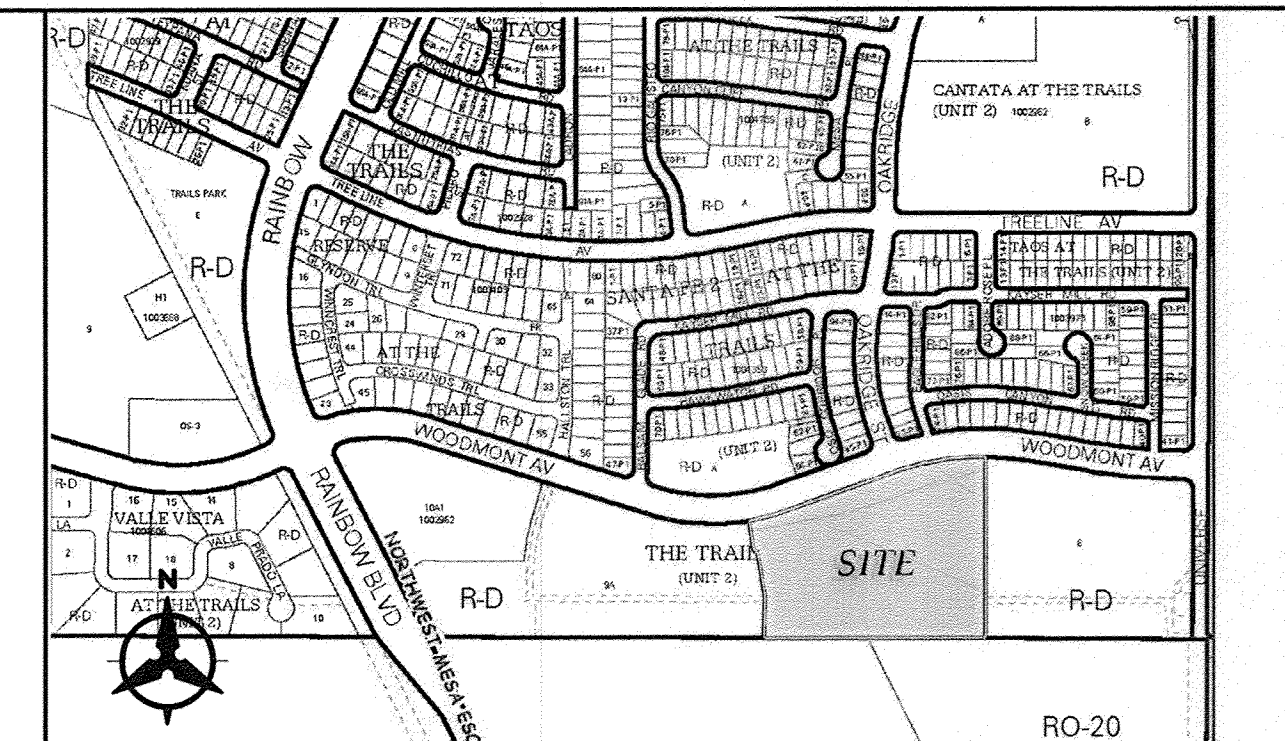
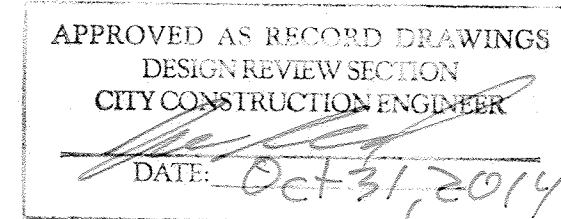


CONSTRUCTION PLANS FOR



VICINITY MAP
C-09-Z

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMITS WILL BE REQUIRED BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #8.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS, SHOULD A CONFLICT EXIST. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULED. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION, CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL WORK EFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY NEW MEXICO UTILITIES FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT <http://abcwsa.org/content/view/full/463/729/>.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☒ IF CURB IS DERESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2A, B, C	PRELIMINARY ^{Final} PLAT
3	OVERALL GRADING PLAN
4	GRADING AND DRAINAGE DETAILS
5	OVERALL PAVING PLAN
6 - 8	PAVING PLAN AND PROFILE SHEETS
9	OVERALL UTILITY PLAN
10 - 12	UTILITY PLAN AND PROFILE SHEETS
13	MISCELLANEOUS PAVING DETAILS
14	MISCELLANEOUS UTILITY DETAILS

PAVING PLANS

SHEET NO.	DESCRIPTION
6	PEORIA STREET / GLOBE STREET
7	TOMBSTONE ROAD
8	TEMPE AVENUE

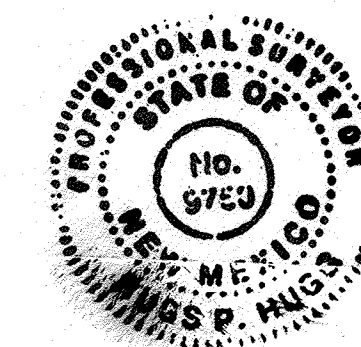
UTILITY PLANS

SHEET NO.	DESCRIPTION
10	GLOBE STREET
11	TOMBSTONE ROAD
12	TEMPE AVENUE
13	WATERLINE 'A' 21/10/14 SJS

SURVEYORS CERTIFICATION

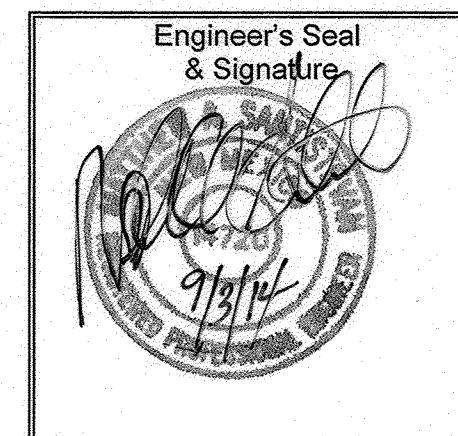
I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
8/26, 2014



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Matthew A. Santistevan of the firm of Bohannan Huston, Inc., a Registered Professional Engineer in the State of Nevada, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as shown on these drawings (Tiesta Vista Unit 2 at the Trails) has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction and survey information provided by the contractor, Franklin's Earthmoving, Inc. and their surveyor, Russ P. Hugg, NMPS 9750.



CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
4. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THEREO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

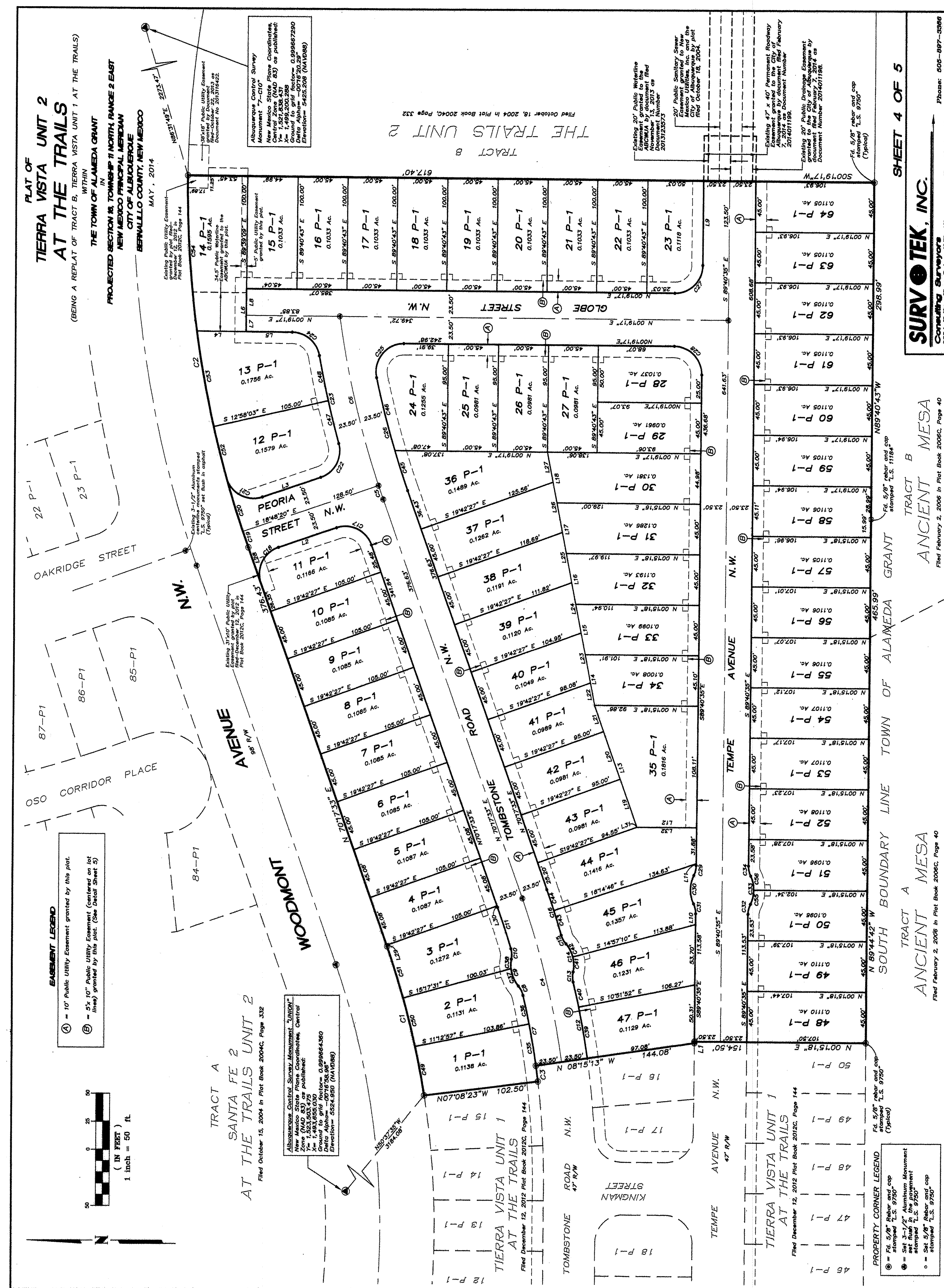
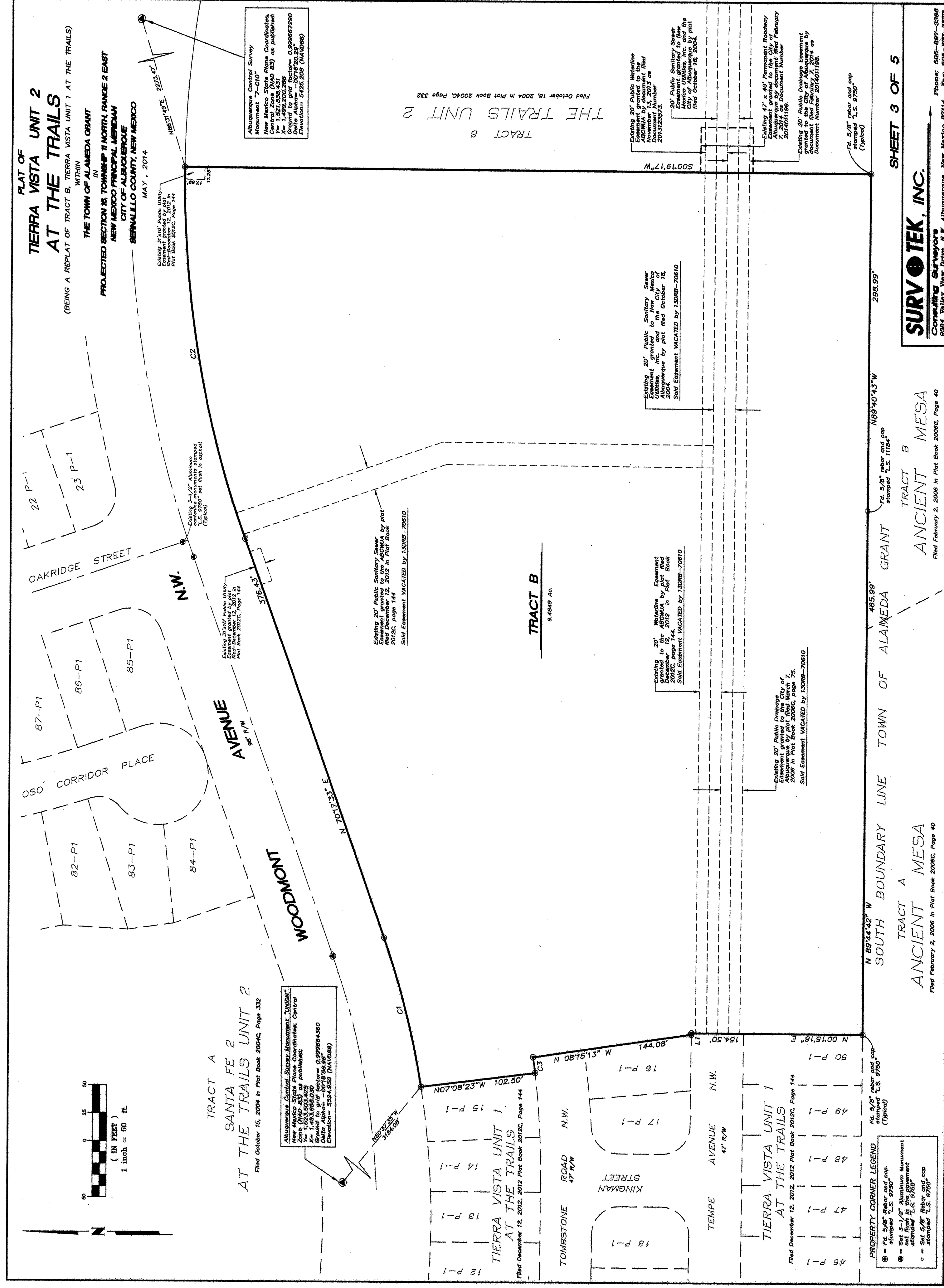
5. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
6. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
7. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
8. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, SURFACE DISTURBANCE).
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
10. ALL PERMANENT PAVING MARKING AND TRAFFIC SIGNING SHALL BE FURNISHED AND PLACED BY THE CONTRACTOR PER PLAN.

11. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE, DMD CONSTRUCTION COORDINATION DIVISION, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING CONSTRUCTION SIGNAGE UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
14. ALL SAWCUT PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAYED WITH TACK.
15. WHEN ABUTTING NEW CURB AND GUTTER TO EXISTING PAVEMENT, A 1' WIDE SECTION OF EXISTING PAVEMENT ADJACENT TO THE CURB AND GUTTER SHALL BE SAWCUT, REMOVED, AND REPLACED AS PER THE STANDARD SPECIFICATIONS.
16. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT KEYWAYS, CURB, GUTTER, DRIVE PADS, WHEELCHAIR RAMPS, AND SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER COA STANDARDS, AT HIS OWN EXPENSE.

17. AN SO 19 PERMIT IS REQUIRED TO PLACE ANY MATERIAL ON OR AROUND A STORM DRAIN INLET IN THE CITY RIGHT-OF-WAY THAT WOULD INTERFERE WITH THE INLET RECEIVING STORM WATER PER THE ENGINEER'S DESIGN. CITY PERSONNEL MAY REMOVE THIS MATERIAL AT ANY TIME WITHOUT NOTICE. THE PREFERRED BMP IS TO REMOVE SEDIMENT/POLLUTANTS ON THE PROPERTY WHERE CONSTRUCTION ACTIVITY IS OCCURRING.
18. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

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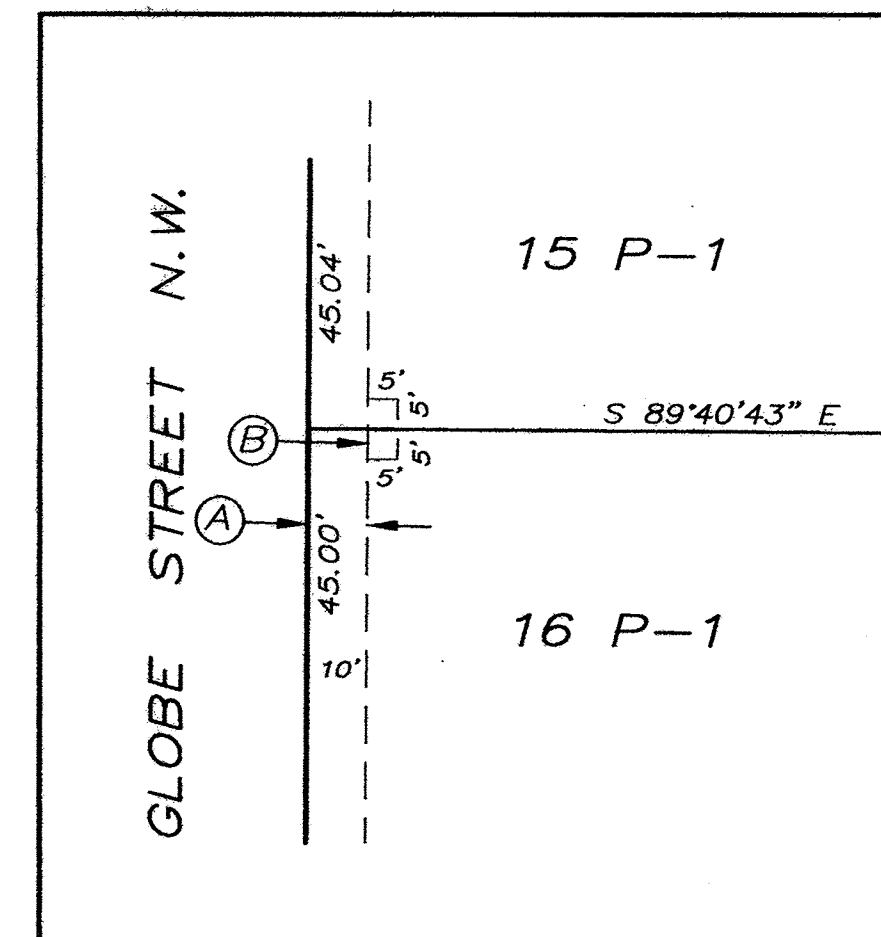
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PLAT OF
TIERRA VISTA UNIT 2
AT THE TRAILS
 (BEING A REPLAT OF TRACT B, TIERRA VISTA UNIT 1 AT THE TRAILS)
 WITHIN
 THE TOWN OF ALAMEDA GRANT
 IN
 PROJECTED SECTION 16, TOWNSHIP 11 NORTH, RANGE 2 EAST
 NEW MEXICO PRINCIPAL MERIDIAN
 CITY OF ALBUQUERQUE
 BERNALILLO COUNTY, NEW MEXICO
 MAY, 2014

LINE TABLE		
LINE	LENGTH	BEARING
L1	1.27	N89°40'35"W
L2	55.01	S18°48'20"E
L3	55.08	S18°48'20"E
L4	43.88	S00°19'17"W
L5	41.27	N00°19'17"E
L6	38.00	S89°39'09"E
L7	14.50	S89°39'09"E
L8	23.50	S89°39'09"E
L9	75.00	S89°40'35"E
L10	9.58	S89°40'35"E
L11	1.81	S89°40'35"E
L12	53.46	N00°15'18"E
L13	115.02	N70°17'33"E
L14	45.89	N78°58'24"E
L15	45.89	N78°58'24"E
L16	45.89	N78°58'24"E
L17	45.89	N78°58'24"E
L18	46.04	N78°58'24"E
L19	45.16	S70°17'33"W
L20	45.00	N70°17'33"E
L21	24.86	N70°17'33"E
L22	20.37	N78°58'24"E
L23	45.52	N78°58'24"E
L24	45.52	N78°58'24"E
L25	45.52	N78°58'24"E
L26	45.52	N78°58'24"E
L27	27.22	N78°58'24"E
L28	33.93	N70°17'33"E
L29	1.00	N70°17'33"E
L30	1.20	N70°17'33"E
L31	0.48	N00°15'18"E
L32	53.94	S00°15'18"W

CURVE TABLE CHORD						
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	136.74'	749.00'	68.56'	136.55'	N75°31'21"E	10°27'37"
C2	336.25'	951.00'	169.90'	334.51'	N80°25'18"E	20°15'31"
C3	14.12'	726.50'	7.06'	14.12'	S82°18'12"W	1°06'50"
C4	149.93'	750.00'	75.22'	149.68'	N76°01'10"E	11°27'14"
C5	12.95'	822.50'	6.47'	12.95'	S70°44'36"W	0°54'07"
C6	154.46'	822.50'	77.46'	154.23'	S76°34'28"W	10°45'35"
C7	63.54'	726.50'	31.79'	63.52'	N79°14'27"E	5°00'40"
C8	9.46'	20.00'	4.82'	9.37'	N63°11'03"E	27°06'08"
C9	25.28'	28.50'	13.54'	24.46'	S75°02'50"W	50°49'41"
C10	9.46'	20.00'	4.82'	9.37'	N86°54'36"E	27°06'08"
C11	38.88'	726.50'	19.45'	38.88'	N71°49'33"E	3°03'59"
C12	68.94'	773.50'	34.49'	68.91'	N79°11'36"E	5°06'23"
C13	8.89'	20.00'	4.52'	8.81'	S89°22'13"W	25°27'37"
C14	26.91'	28.50'	14.55'	25.92'	N75°02'50"E	54°06'23"
C15	8.89'	20.00'	4.52'	8.81'	S60°43'27"W	25°27'37"
C16	42.68'	773.50'	21.35'	42.68'	N71°52'24"E	3°09'42"
C17	38.88'	25.00'	24.61'	35.08'	N25°44'36"E	89°05'53"
C18	39.66'	25.00'	25.40'	35.63'	N64°15'24"W	90°54'07"
C19	14.97'	951.00'	7.49'	14.97'	S70°44'36"W	0°54'07"
C20	49.83'	951.00'	24.92'	49.83'	S72°41'44"W	3°00'08"
C21	40.58'	25.00'	26.35'	36.27'	S27°41'44"W	93°00'08"
C22	37.88'	25.00'	23.64'	34.36'	S62°12'34"E	86°48'29"
C23	79.79'	846.00'	39.93'	79.77'	S77°05'19"W	5°24'15"
C24	34.68'	25.00'	20.78'	31.96'	N40°03'22"E	79°28'09"
C25	44.75'	25.00'	31.18'	39.01'	N50°57'13"W	102°33'01"
C26	104.29'	799.00'	52.22'	104.22'	S74°01'55"W	7°28'43"
C27	39.27'	25.00'	25.00'	35.35'	S44°40'39"E	89°59'52"
C28	39.27'	25.00'	25.00'	35.36'	N45°19'21"E	90°00'08"
C29	9.16'	20.00'	4.66'	9.08'	S76°33'13"E	26°14'44"
C30	26.11'	28.50'	14.05'	25.21'	N89°40'35"W	52°29'28"
C31	9.16'	20.00'	4.66'	9.08'	N77°12'03"E	26°14'44"
C32	9.16'	20.00'	4.66'	9.08'	N76°33'13"W	26°14'44"
C33	26.11'	28.50'	14.05'	25.21'	S89°40'35"E	52°29'28"
C34	9.16'	20.00'	4.66'	9.08'	S77°12'03"W	26°14'44"
C35	37.56'	726.50'	18.78'	37.56'	N80°15'55"E	2°57'44"
C36	25.98'	726.50'	12.99'	25.98'	N77°45'35"E	2°02'56"
C37	16.93'	28.50'	8.72'	16.68'	S66°39'00"W	34°02'01"
C38	8.35'	28.50'	4.21'	8.32'	N87°56'10"W	16°47'40"
C39	46.19'	773.50'	23.10'	46.18'	N80°02'09"E	3°25'17"
C40	22.74'	773.50'	11.37'	22.74'	N77°28'57"E	1°41'05"
C41	13.46'	28.50'	6.86'	13.33'	N88°34'26"E	27°03'12"
C42	13.46'	28.50'	6.86'	13.33'	N61°31'14"E	27°03'12"
C43	22.95'	773.50'	11.48'	22.95'	N72°36'15"E	1°42'00"
C44	19.73'	773.55'	9.87'	19.73'	N71°01'24"E	1°27'41"
C45	37.44'	799.00'	18.73'	37.44'	S71°38'06"W	2°41'06"
C46	66.85'	799.00'	33.44'	66.83'	S75°22'28"W	4°47'37"
C47	39.07'	846.00'	19.54'	39.07'	S75°42'34"W	2°38'46"
C48	40.72'	846.00'	20.37'	40.72'	S78°24'42"W	2°45'29"
C49	44.36'	749.00'	22.19'	44.36'	N79°03'21"E	3°23'37"
C50	44.27'	749.00'	22.14'	44.26'	N75°39'57"E	3°23'12"
C51	48.11'	749.00'	24.06'	48.10'	N72°07'57"E	3°40'48"
C52	47.07'	951.00'	23.54'	47.06'	S75°36'53"W	2°50'09"
C53	85.93'	951.00'	43.00'	85.90'	S79°37'16"W	5°10'38"
C54	138.45'	951.00'	69.35'	138.33'	S86°22'50"W	8°20'29"
C55	13.09'	28.50'	6.66'	12.97'	S76°35'07"E	26°18'31"
C56	13.02'	28.50'	6.63'	12.91'	N77°10'10"E	26°10'57"



EASEMENT "B" DETAIL
 No Scale



DOCH 2014052021
 06/30/2014 02:25 PM Page: 5 of 5
 Plot: 6:32:06 S: 201405 P: 0062 M: Toulous Olivere, Bernalillo Cou

110198_UNIT 2_5-10-14.dwg

SURVOTEK, INC.

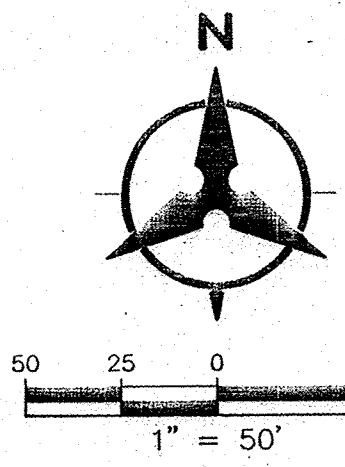
Consulting Surveyors
 9384 Valley View Drive, N.W. Albuquerque, New Mexico 87114
 Phone: 505-897-3386 Fax: 505-897-3377

SHEET 5 OF 5



- GENERAL NOTES**
1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
 2. THE CONTRACTOR IS TO REFER TO EARTHWORK SPECIFICATION AS NOTED IN THE SOILS REPORT BY GEO-TEST, INC. DATED 9-29-10
 3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES & REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
 4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER DETAIL, SHEET 3B, AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
 5. ALL SPOT ELEVATIONS ARE TO FLOWLINE UNLESS OTHERWISE NOTED.
 6. BOULDERS GREATER THAN 3 FEET IN DIAMETER EXCAVATED DURING GRADING ACTIVITIES SHALL BE STOCKPILED AND DISPOSED OF AT THE DISCRETION OF THE OWNER.
 7. ALL WALLS SHOWN ARE TO BE PLACED ALONG PROPERTY LINE. WALLS ARE SHOWN OFFSET FOR VISUAL PURPOSE ONLY.

RECORD DRAWINGS



- LEGEND**
- (91.62) FUTURE SPOT ELEVATION
 - 91.62 PROPOSED SPOT ELEVATION
 - x 92.46 EXISTING SPOT ELEVATION (GRID & TC)
 - EXISTING CURB & GUTTER
 - == PROPOSED MOUNTABLE CURB & GUTTER
 - == PROPOSED STANDARD CURB & GUTTER
 - 5470- EXISTING CONTOUR W/ INDEX ELEVATION
 - FLOW ARROW
 - PROPOSED RETAINING WALL (TO BE BUILT BY HOMEOWNER)
 - PROPOSED GARDEN WALL, CONCRETE FILLED TO 1-FOOT DEPTH
 - PROPOSED SLOPE
 - PROPOSED STORM DRAIN
 - PROPOSED STORM DRAIN MANHOLE
 - PROPOSED STORM DRAIN INLET
 - PROPOSED CATLIE GUARD INLET
 - ↑ WALL DRAIN PER DETAIL SHEET 3
 - - - GRADING PHASE BOUNDARY
 - ▲ HIGH POINT
 - TEMPORARY BERM

Bohannon & Huston

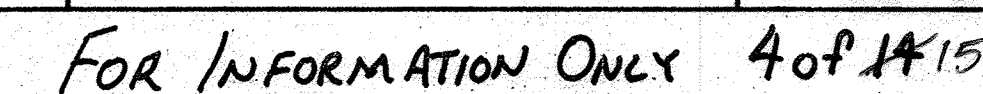
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

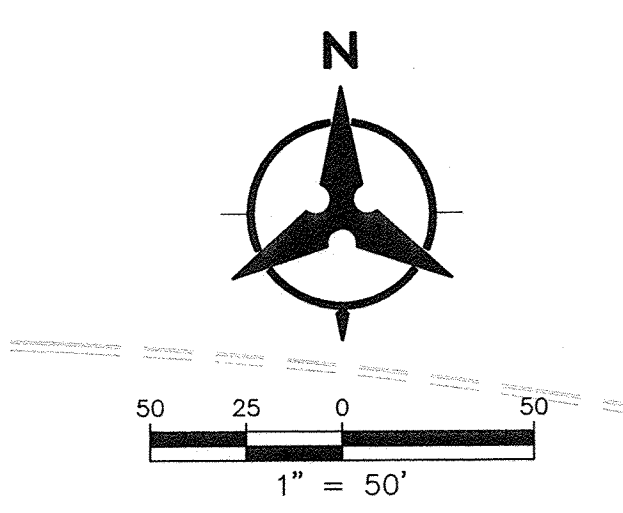
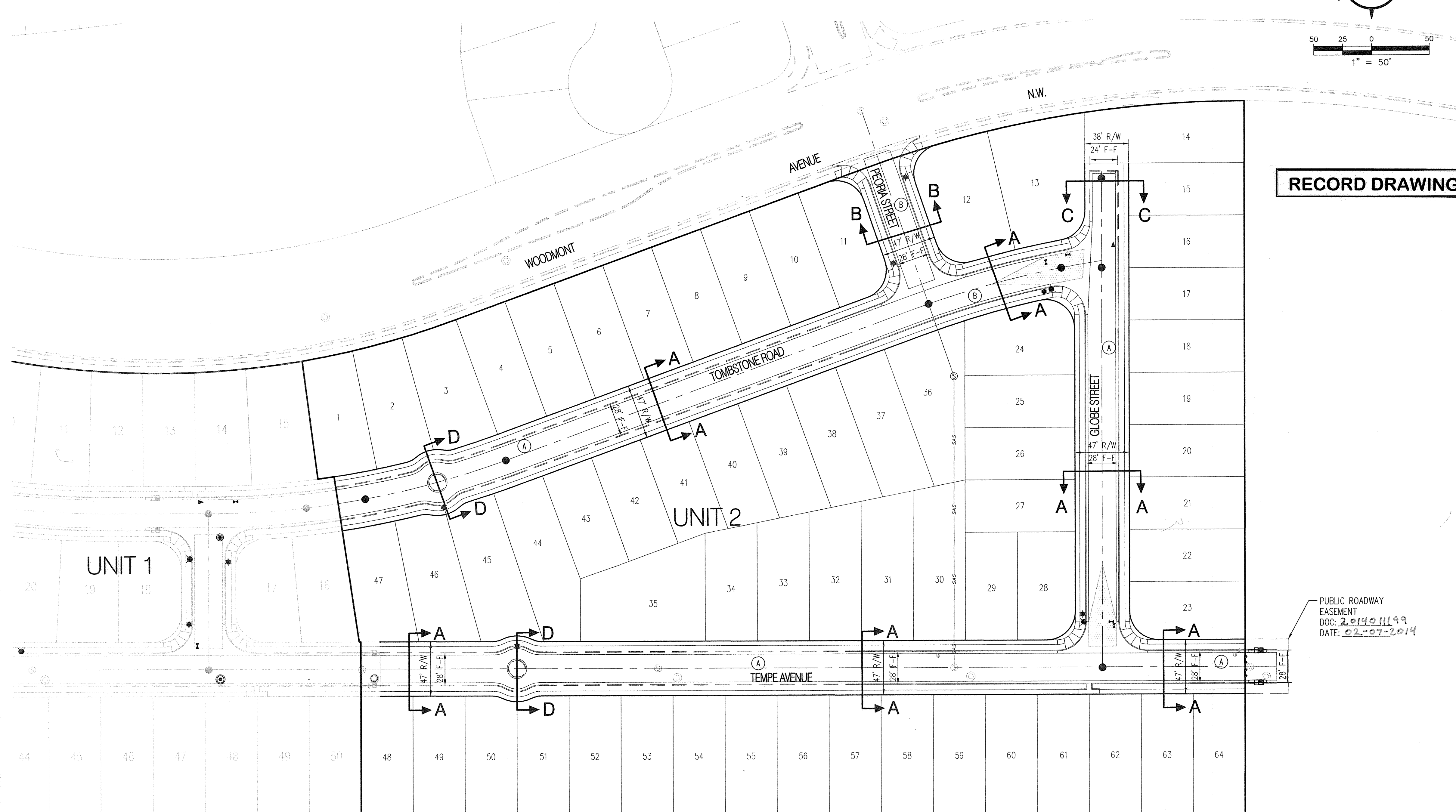
TIERRA VISTA UNIT 2 at the TRAILS
GRADING AND DRAINAGE PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
X	C-09-Z	2	3

City Project No. X Zone Map No. C-09-Z Sheet 2 Of 3





RECORD DRAWINGS

- GENERAL NOTES**
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 2. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 3. GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
 4. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
 5. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 6. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 7. ANY DAMAGE TO THE EXISTING FACILITIES, (C&G), PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
 8. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
 9. DENOTES CROWN TRANSITION
 10. FOR CURB RETURN & QUARTER POINT ELEV INFO REFER TO INDIVIDUAL PAVING SHEETS.
 11. MH RIMS & CATCH BASIN INLET ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT ELEVATIONS.
 12. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND TRANSMISSION GAS LINES. CONTRACTOR SHALL COORDINATE RELOCATION OF UTILITY LINES WITH UTILITY COMPANIES AS REQUIRED.
 13. SEE SHEET 13 FOR TYPICAL STREET SECTIONS

- KEYED NOTES**
- A. SEE SHEET 13 FOR RESIDENTIAL PAVEMENT SECTION.
 - B. SEE SHEET 13 FOR RESIDENTIAL PAVEMENT SECTION.
 - SEE SHEET 7 FOR LIMITS OF (A) AND (B) PAVEMENT SECTIONS ON TOMBSTONE ROAD.

LEGEND

- PROPOSED R/W LINE
- PROPERTY LINE
- PROPOSED STANDARD CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED SUBDIVISION BOUNDARY
- EASEMENT
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET
- PROPOSED FIRE HYDRANT
- PROPOSED MAIN VALVE
- PROPOSED SAS MANHOLE
- PROPOSED CURB RAMP
- PROPOSED STREET LIGHT
- PROPOSED TYPE III BARRICADES

Bohannon & Huston

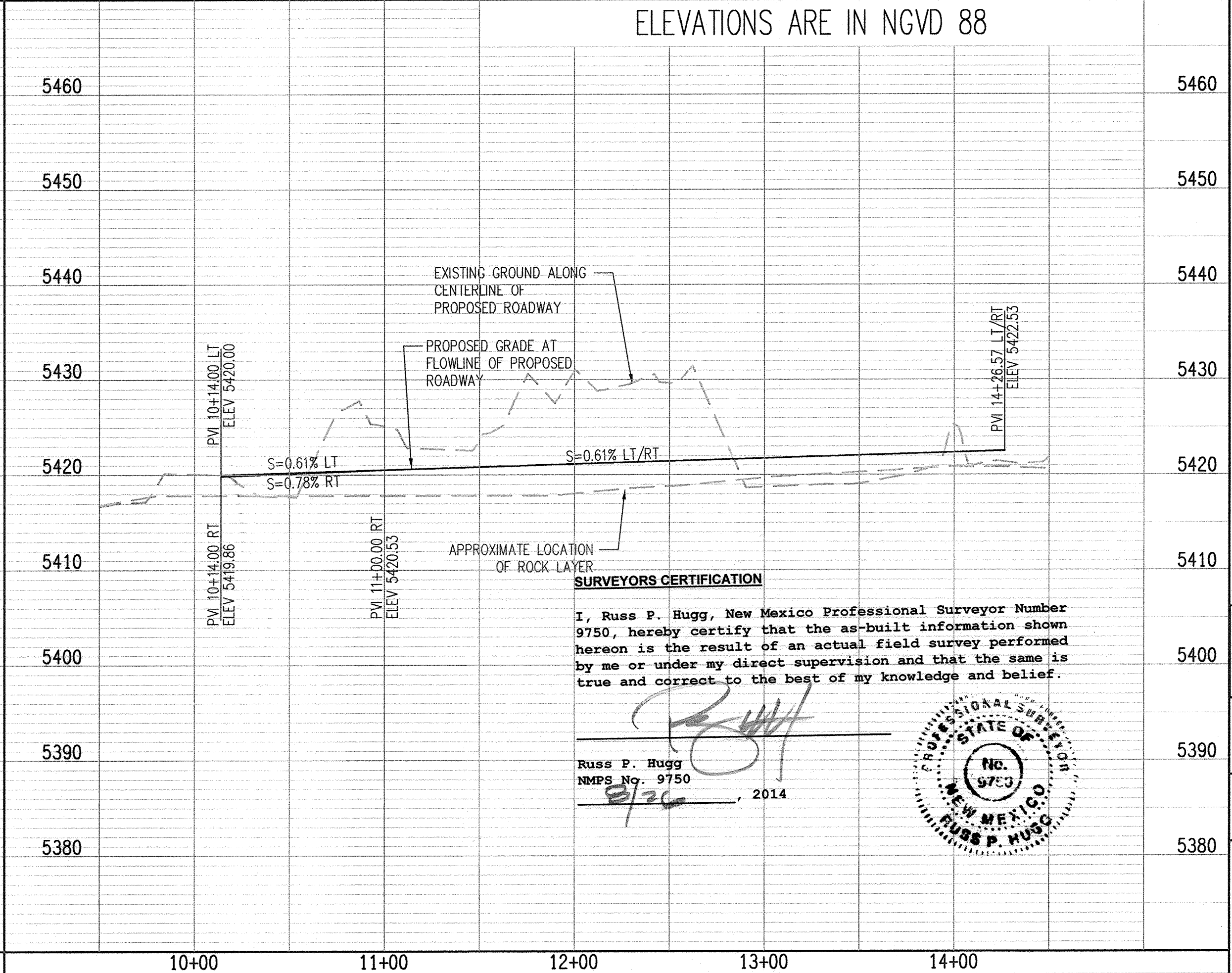
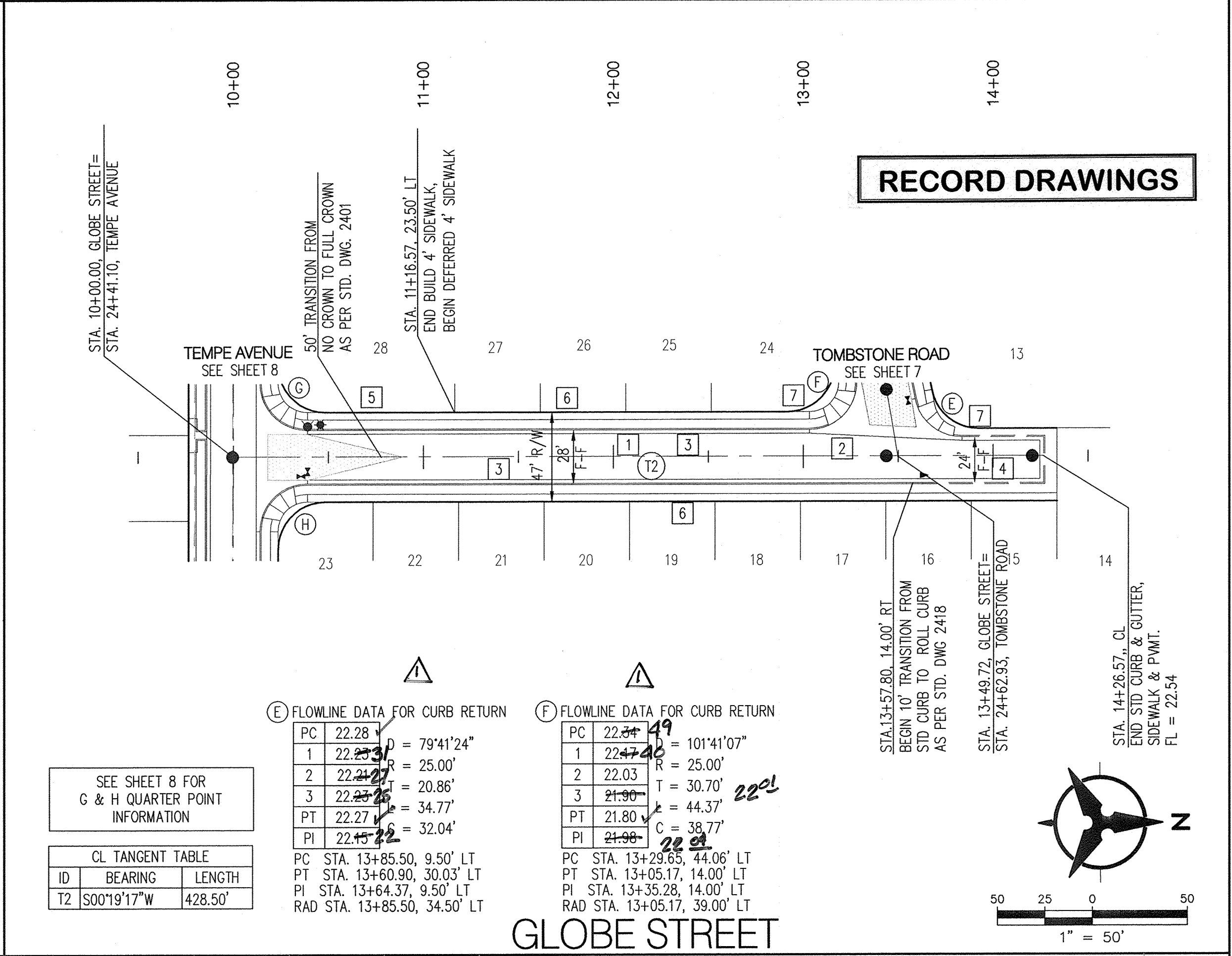
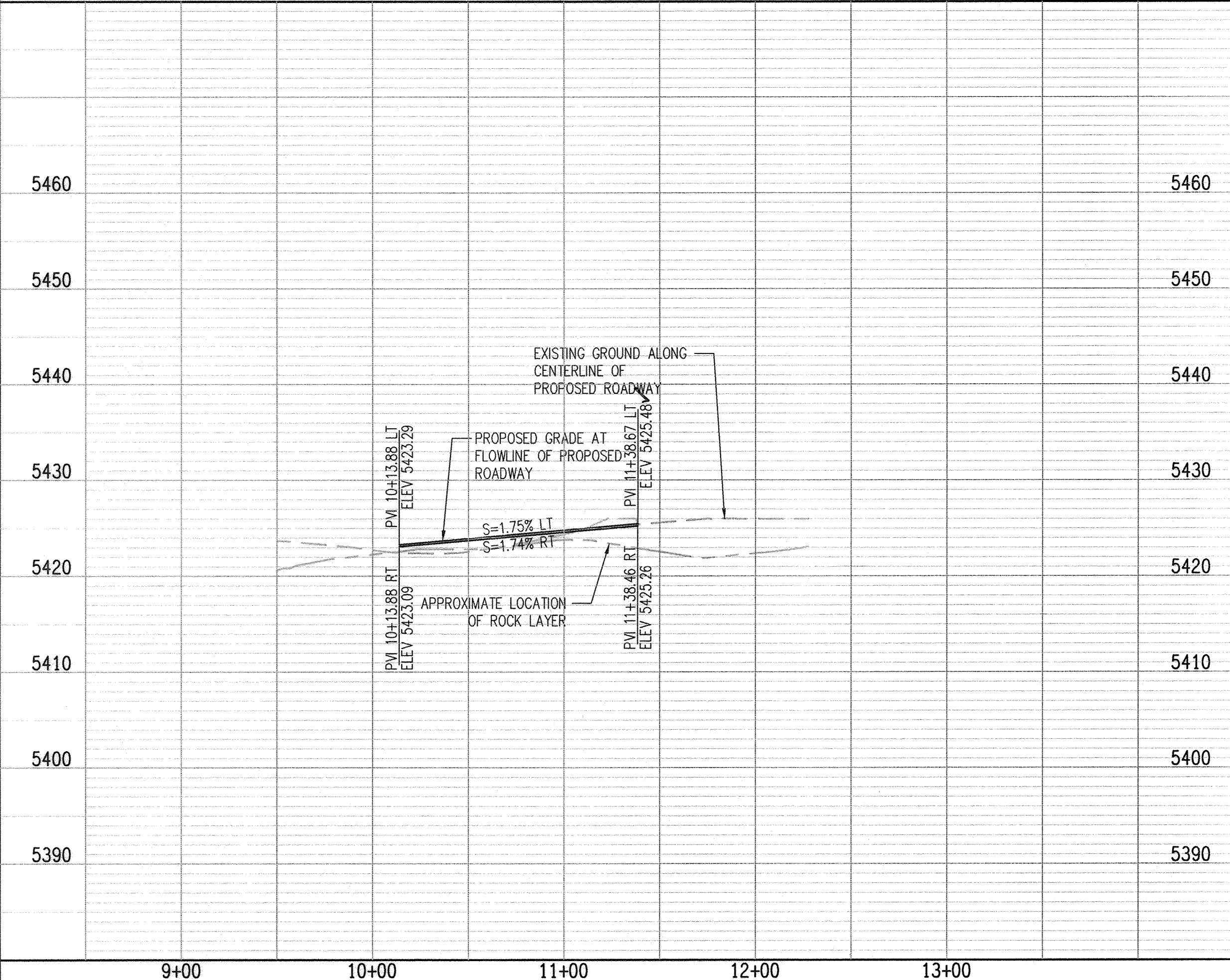
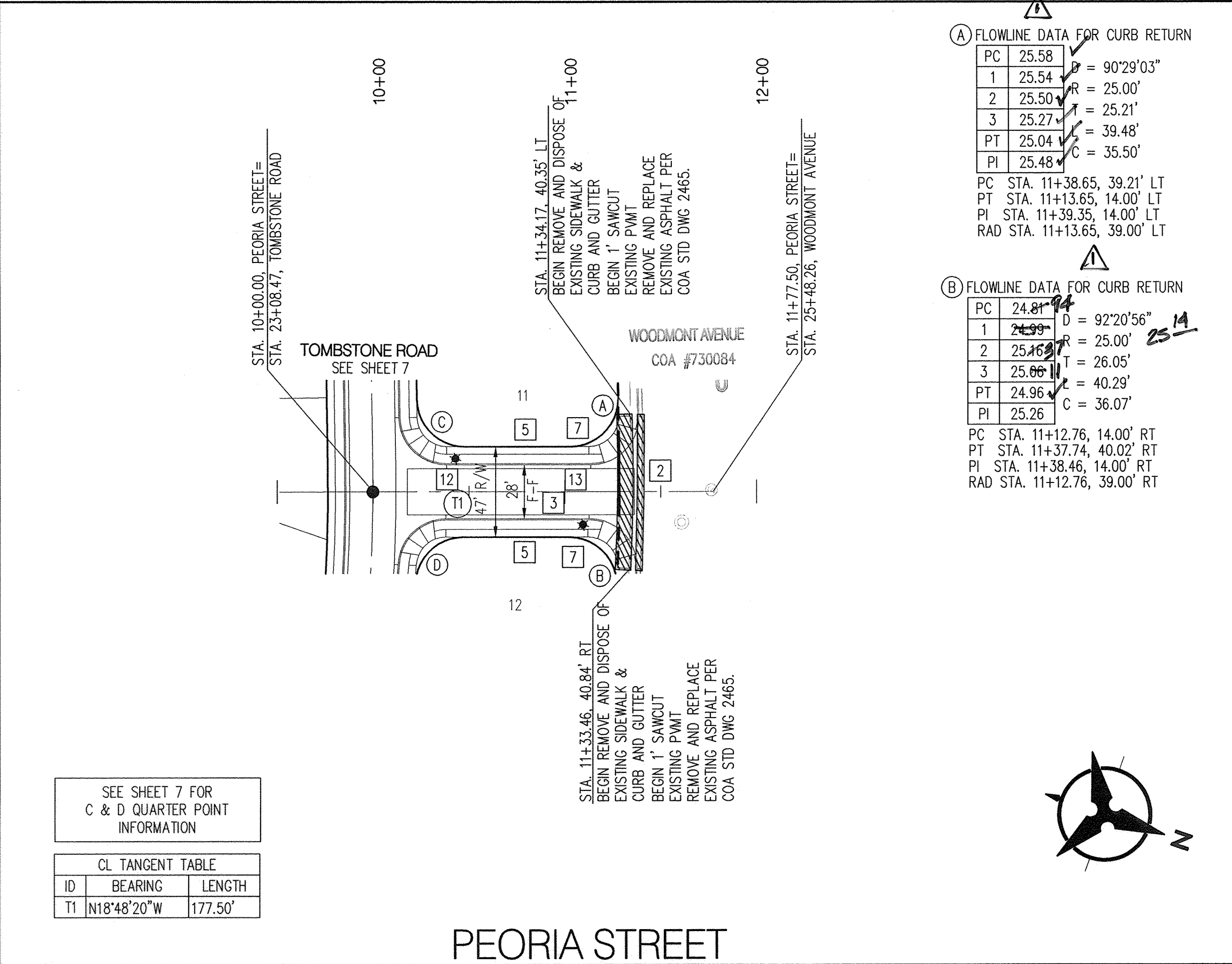
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

TIERRA VISTA UNIT 2 at the TRAILS OVERALL PAVING PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 730074 Zone Map No. C-09-Z Sheet 5 Of 145

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	Franklin's	DATE	9/14	NO.	DATE	By	REMARKS
STAMPED BY	Surf-Tek	DATE	9/14	BY			REVISIONS
INSPECTOR'S	Surf-Tek	DATE	9/14				DESIGN
FIELD	Surf-Tek	DATE	9/14				
RECORDED BY	BHT	DATE	9/14				
CHECKED BY	BHT	DATE	9/14				
MICROFILM INFORMATION		RECORDED BY		DATE: 05/2011		DATE: 05/2011	
		NO.		DATE: 05/2011		DATE: 05/2011	
		NO.		DATE: 05/2011		DATE: 05/2011	



NOTES

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- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
- REMOVAL OF THE EXISTING CURB & GUTTER SHALL BE PER COA STD. DWG. 2415 (SAWCUT ONLY).
- CURB RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
- TRANSITION TO STANDARD CURB AT ALL WHEELCHAIR RAMPS PER COA STD. DWG. 2418.

KEYED NOTES

- BUILD 3" RESIDENTIAL PAVEMENT PER DETAIL A, SEE SHEET 13
- INSTALL 6" CONCRETE VALLEY GUTTER PER COA STD. DWG. 2420.
- BUILD STANDARD CURB & GUTTER PER COA STD. DWG. 2415A
- BUILD ROLL TYPE CURB & GUTTER PER COA STD. DWG. 2415A.
- BUILD 4' SIDEWALK PER COA STD. DWG. 2430.
- 4' SIDEWALK, DEFERRED.
- INSTALL CURB RAMP PER DETAIL C, SHEET 13.
- INSTALL CURB RAMP PER DETAIL D, SHEET 13.
- BUILD ROUNDABOUT PER DETAIL SEE SHEET 13.
- TYPE III BARRICADES
- BUILD MOUNTABLE MEDIAN CURB AND GUTTER PER COA STD. DWG. 2415B.
- BUILD 4" RESIDENTIAL PAVEMENT PER DETAIL B, SEE SHEET 13
- BUILD DEPRESSED CURB & GUTTER PER COA STD. DWG. 2415A.

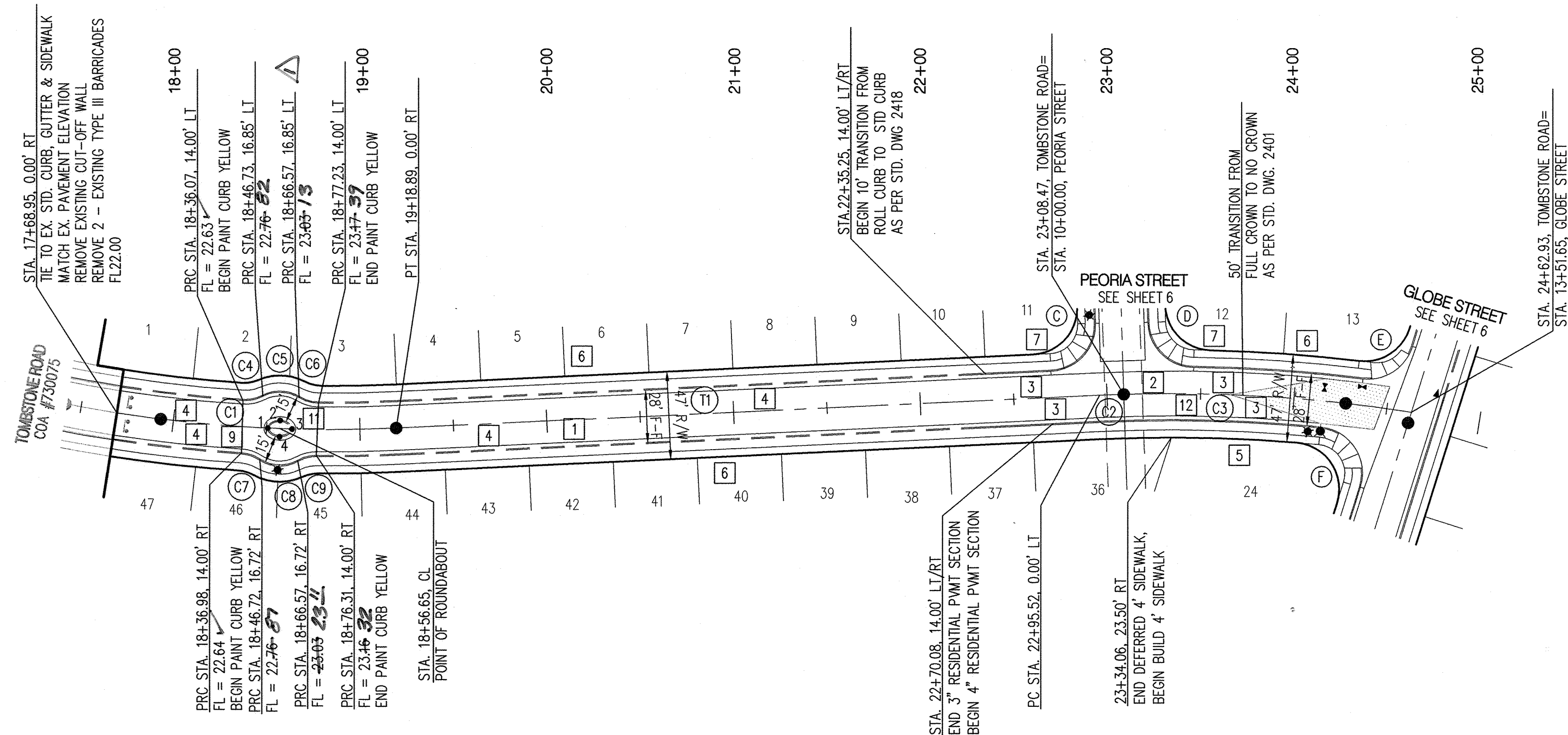
Bohannon & Huston

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

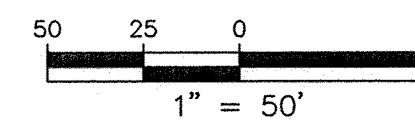
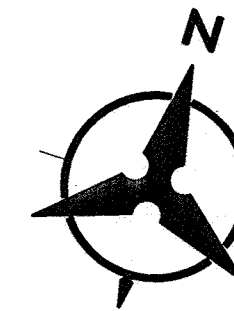
TIERRA VISTA UNIT 2 at the TRAILS PAVING PLAN AND PROFILE PEORIA STREET AND GLOBE STREET

Design Review Committee: APPROVE MAR 6 4 2014
City Engineer Approval: APPROVE APR 1 8 2014
Last Design Update: []

City Project No. 730074
Zone Map No. C-09-Z
Sheet 6 of 145



RECORD DRAWINGS



ID	BEARING	LENGTH
T1	N70°17'33"E	376.63'

ID	ARC	RADIUS	DELTA	TANGENT
C1	149.93'	750.00'	11°27'14"	75.22'
C2	12.95'	822.50'	00°54'07"	6.47'
C3	154.46'	822.50'	10°45'35"	77.46'

ID	ARC	RADIUS	DELTA	TANGENT
C4	10.96'	20.00'	31°23'35"	5.62'
C5	20.30'	19.50'	59°38'32"	11.18'
C6	10.96'	20.00'	31°23'35"	5.62'
C7	10.42'	20.00'	29°51'19"	5.33'
C8	21.34'	19.50'	62°42'54"	11.88'
C9	10.42'	20.00'	29°51'19"	5.33'

C FLOWLINE DATA FOR CURB RETURN

PC	23.72'	D = 89°05'53"
1	23.66'	R = 25.00'
2	23.60'	R = 24.61'
3	23.53'	L = 38.88'
PT	23.47'	L = 35.08'
PI	23.29'	
PC STA.	22+95.08	38.61' LT
PT STA.	22+70.08	14.00' LT
PI STA.	22+94.69	14.00' LT
RAD STA.	22+70.08	39.00' LT

D FLOWLINE DATA FOR CURB RETURN

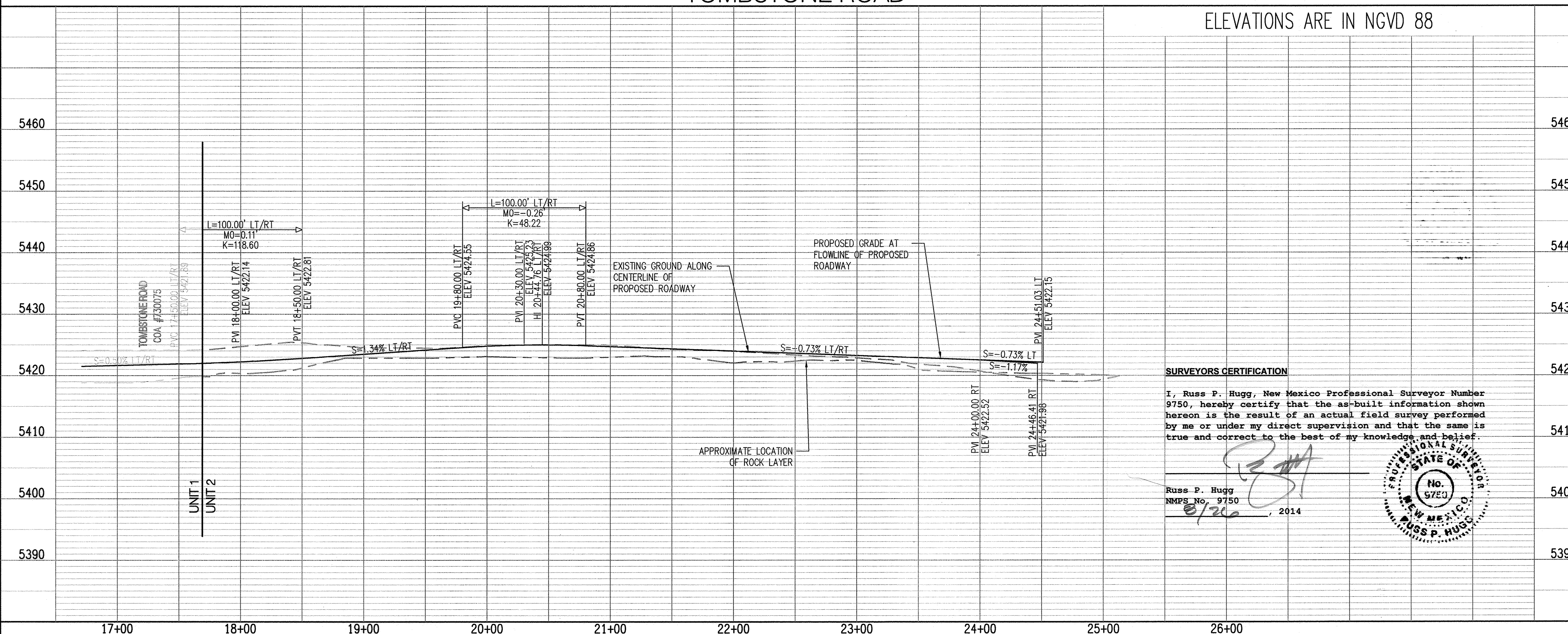
PC	22.92'	D = 87°24'19"
1	23.07'	R = 25.00'
2	23.22'	R = 23.89'
3	23.27'	L = 38.14'
PT	23.22'	L = 34.55'
PI	23.09'	
PC STA.	23+45.72	14.00' LT
PT STA.	23+21.85	38.23' LT
PI STA.	23+22.23	14.34' LT
RAD STA.	23+45.72	39.00' LT

MEDIAN CURB POINT TABLE

ID	STATION	OFFSET	ELEVATION
1	18+50.15	CL	5423.19
2	18+56.65	5.00' LT	5423.25
3	18+63.15	CL	5423.33
4	18+56.65	5.00' RT	5423.25

TOMBSTONE ROAD

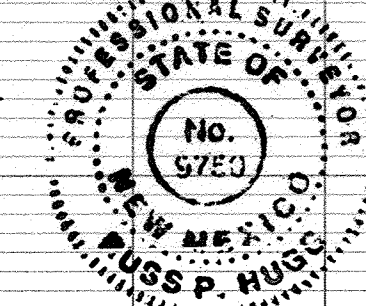
ELEVATIONS ARE IN NGVD 88



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
8/2014



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- TRANSITION TO STANDARD CURB AT ALL WHEELCHAIR RAMPS PER COA STD. DWG. 2418.

KEYED NOTES

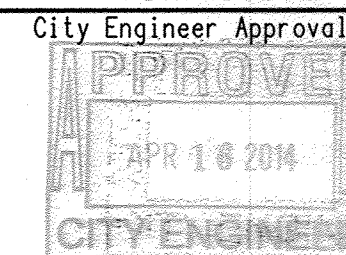
* NOT USED THIS SHEET.

- BUILD 3" RESIDENTIAL PAVEMENT PER DETAIL A, SEE SHEET 13
- INSTALL 6" CONCRETE VALLEY GUTTER PER COA STD. DWG. 2420.
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- BUILD 4" RESIDENTIAL PAVEMENT PER DETAIL B, SEE SHEET 13
- BUILD DEPRESSED CURB & GUTTER PER COA STD. DWG. 2415A.

Bohannon & Huston

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

TIERRA VISTA UNIT 2 at the TRAILS
PAVING PLAN AND PROFILE
TOMBSTONE ROAD



City Project No.

Zone Map No.

730074

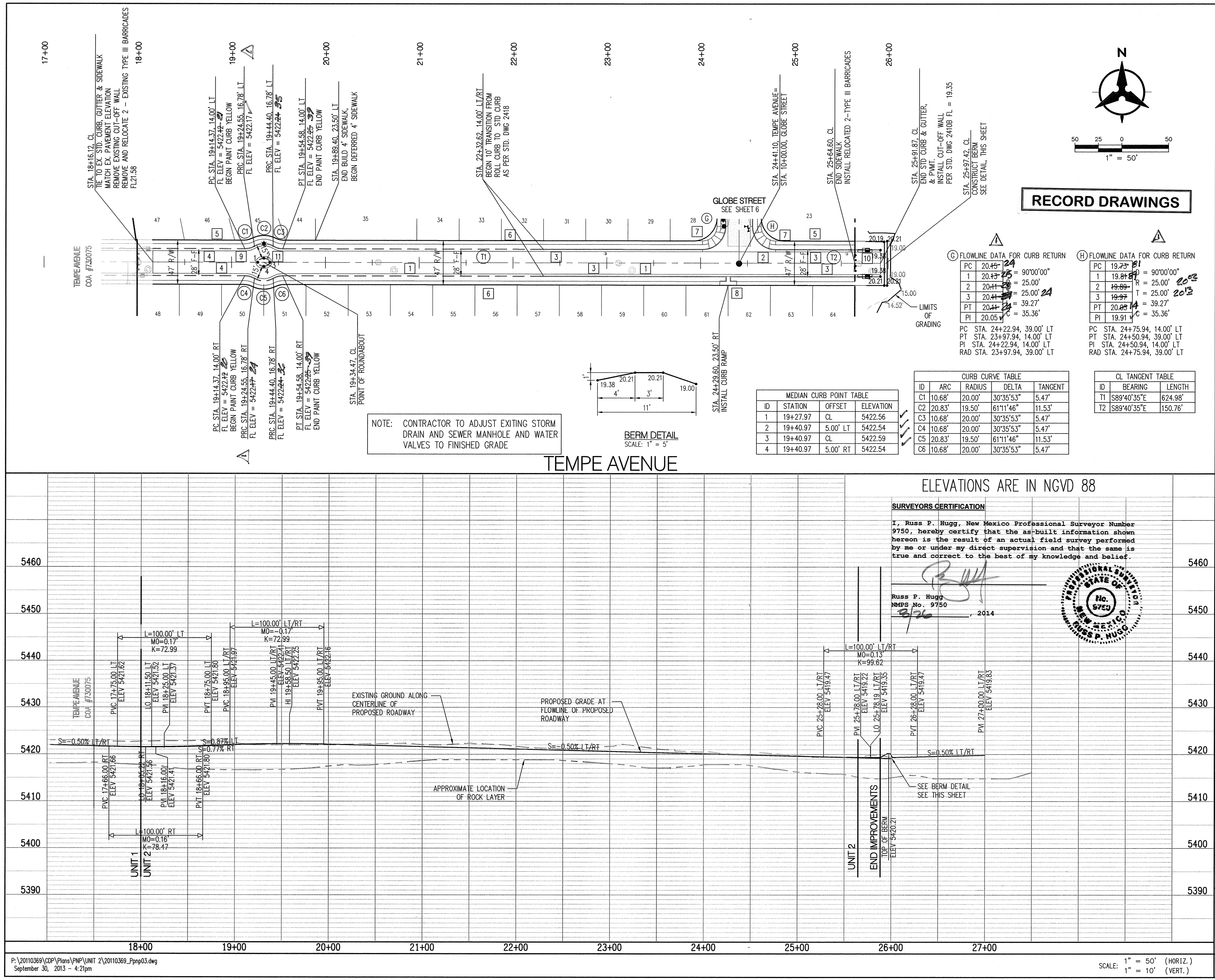
C-09-Z

Sheet

Of

7

145



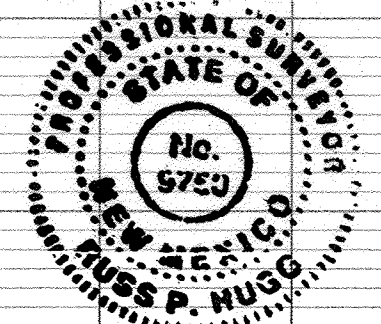
RECORD DRAWINGS

Flowline data for curb return tables showing stationing, elevations, and curve data for various points along the roadway.

Curved curve table and CL tangent table providing geometric data for the roadway alignment, including stationing, offsets, and elevations.

ELEVATIONS ARE IN NGVD 88

SURVEYORS CERTIFICATION: I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.



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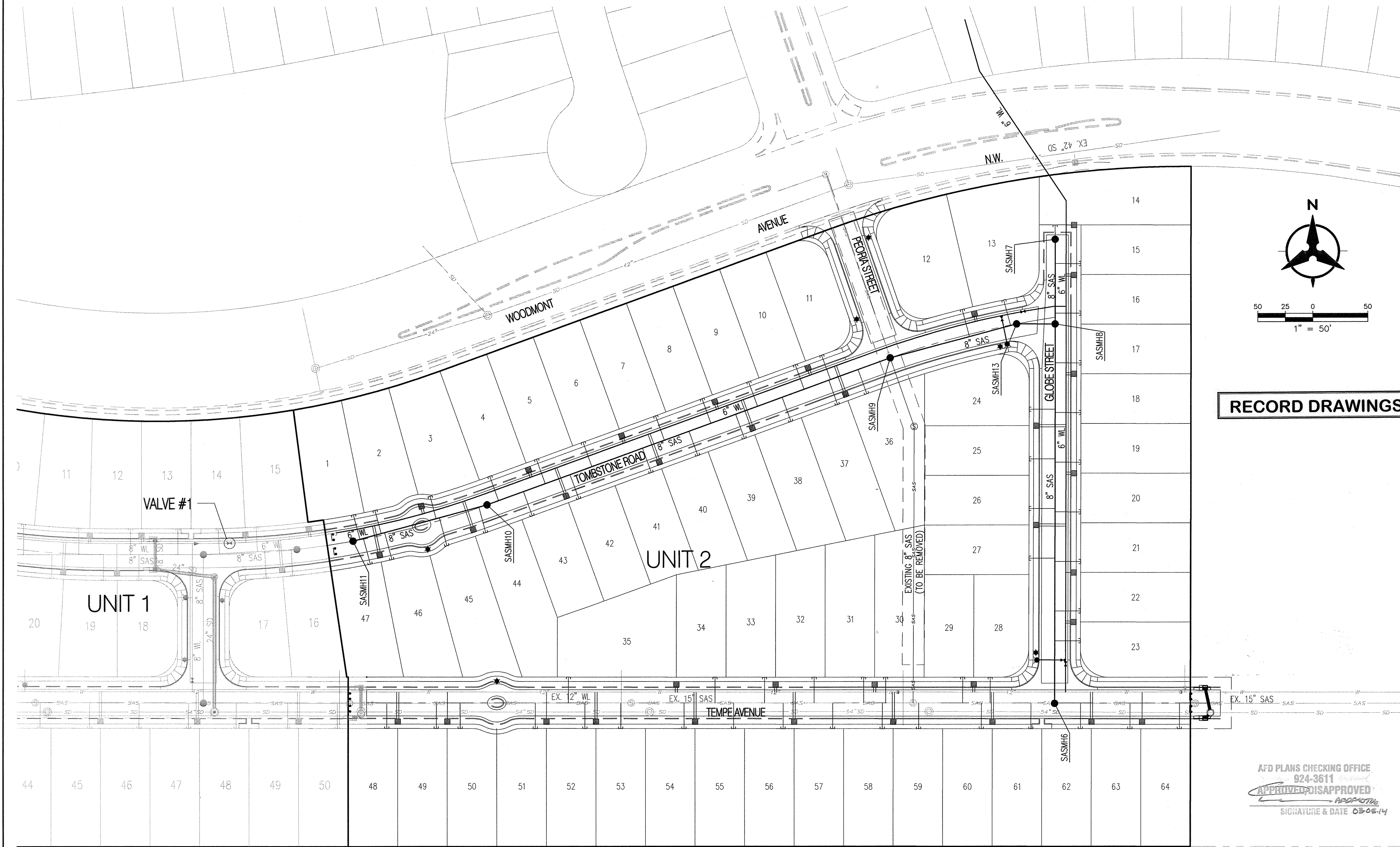
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Bohannon & Huston

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

TIERRA VISTA UNIT 2 at the TRAILS PAVING PLAN AND PROFILE TEMPE AVENUE

Approval stamps and signature lines for Design Review Committee, City Engineer, and project details including City Project No. 730074 and Sheet 8 of 145.



RECORD DRAWINGS

GENERAL NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
2. ALL CURVE DATA AND DIMENSIONS ARE CALCULATED FROM CENTERLINE OF PIPE OR MANHOLE. ALL SAS & SD SLOPES ARE CALCULATED TO TRUE PIPE DIMENSIONS FROM INVERT TO INVERT. (PAY ITEMS ARE SHOWN IN PARENTHESES)
3. GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
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9. MH RIMS & CATCH BASIN INLET ELEVATIONS, VALVE BOXES, ARV, FIRE HYDRANT & FLANGE ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT GRADES.
10. SAS STATIONING FOLLOWS CL OF ROAD UNLESS OTHERWISE NOTED.
11. FLOWLINE ELEVATIONS FOR DROP INLETS ARE PROJECTED FROM FLOWLINE OF STANDARD CURB TO MIDDLE OF DOWNHILL GRATE.
12. RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.
13. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

LEGEND

- PROPERTY LINE
- NEW EASEMENT
- SAS EXISTING SANITARY SEWER
- WL EXISTING WATER LINE
- SD EXISTING STORM DRAIN
- EXISTING WATER METER
- EXISTING CAP
- EXISTING VALVE
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER MANHOLE
- EXISTING STORM DRAIN
- SAS PROPOSED SANITARY SEWER
- WL PROPOSED WATER LINE
- PROPOSED VALVE
- PROPOSED HYDRANT
- PROPOSED CAP
- PROPOSED WATER METER
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED STORM DRAIN
- STREET LIGHT

RESTRAINED JOINT TABLE

FITTING	LENGTH TO BE RESTRAINED		
	(4")	(6")	(8")
6" x 6" x 6" TEE		1'	
8" x 8" x 4" TEE	1'	1'	
8" x 8" x 6" TEE			1'
12" x 12" x 12" TEE			1'
12" x 12" x 6" TEE		1'	
11.25" BEND	1'	1'	2'
22.5" BEND	2'	3'	3'
45" BEND	4'	5'	7'
90" BEND	8'	13'	17'
VALVE/DEAD END	21'	30'	39'
6" x 4" REDUCER		19"	
8" x 6" REDUCER			16"
12" x 6" REDUCER			
12" x 8" REDUCER			

JOINT RESTRAINT NOTES:

1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20 LF OF MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE. (SEE NOTE 2).
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.
5. RESTRAINED LENGTH IS FROM LARGE SIDE ON ALL REDUCERS.
6. RESTRAIN ALL JOINTS BETWEEN UPPER AND LOWER VERTICAL BENDS.
7. JOINT RESTRAINT LENGTH SHOWN FOR TEES REFERS TO THE BRANCH SECTION CASES.

MATERIALS:

SAS LINE: SDR-35 PVC (UNLESS OTHERWISE NOTED ON PLANS)
WATER LINE: C900-PVC (DR-18) (UNLESS OTHERWISE NOTED ON PLANS)
SD LINE: CLASS III RCP (UNLESS OTHERWISE NOTED ON PLANS)
ALL WATER METERS 3/4" (UNLESS OTHERWISE NOTED ON PLANS)

STANDARD DRAWINGS

MH TYPE "C", STD DWG 2101
MH TYPE "E", STD DWG 2102
VALVE BOXES, STD DWG 2326
SAS SERVICES, STD DWG 2125
WATER SERVICE, STD DWG 2362
FIRE HYDRANTS, STD DWG 2340

NOTE: ALL OF THE ABOVE ITEMS SHALL BE CONSTRUCTED PER THE STD DWG'S SHOWN UNLESS OTHERWISE NOTED.

WATER SHUT-OFF PLAN:

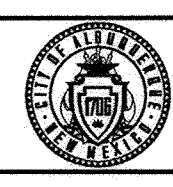
FOR CONNECTION VALVES CLOSED
TOMBSTONE ROAD VALVE #1

CONTRACTOR WILL BE RESPONSIBLE FOR FLUSHING, DISINFECTING, AND TESTING THE LINES AS REQUIRED BY THE ABOQUA.

WATER SHUT-OFF REQUIREMENTS:

THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT <http://abowua.org/content/view/full/463/729/>.

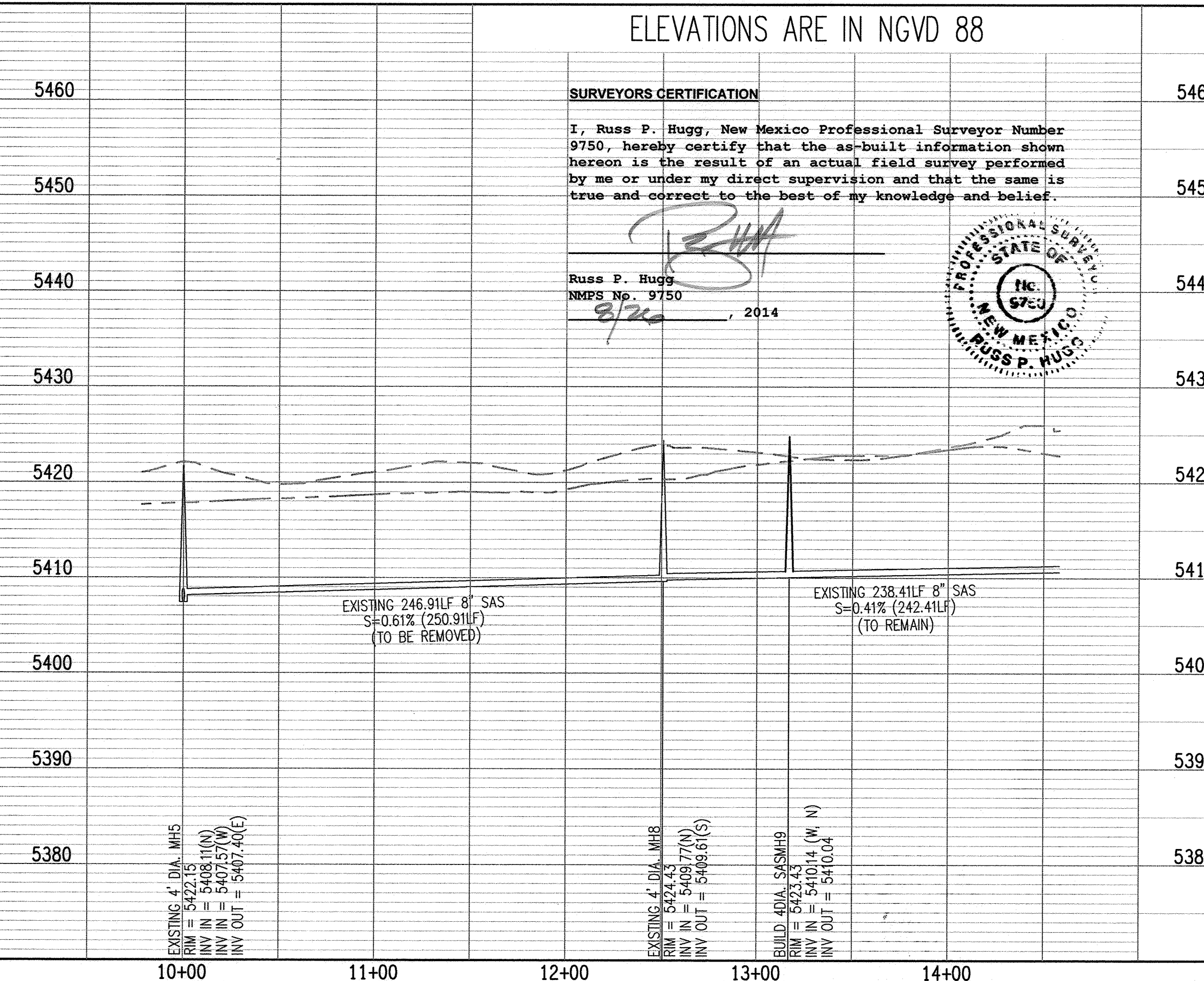
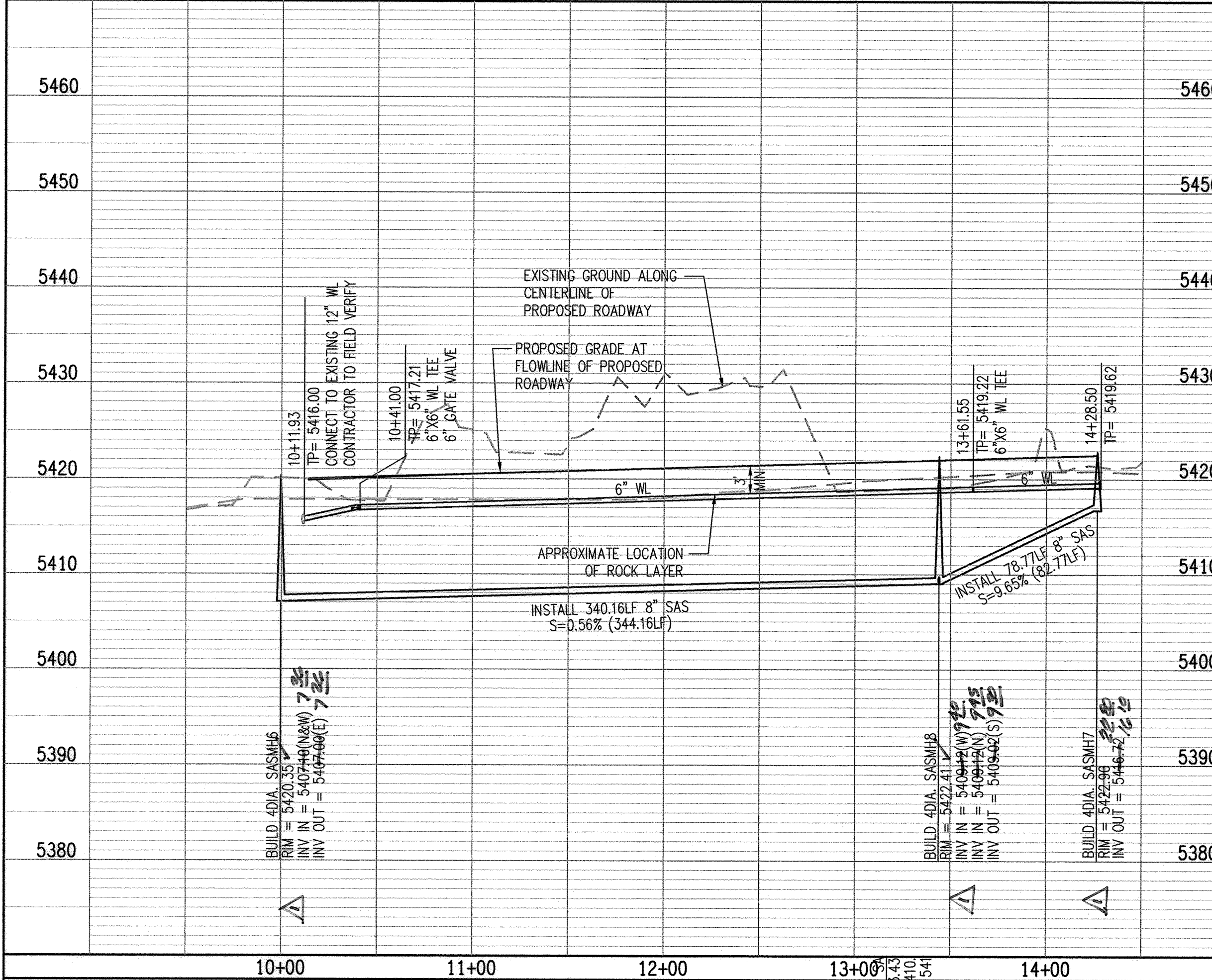
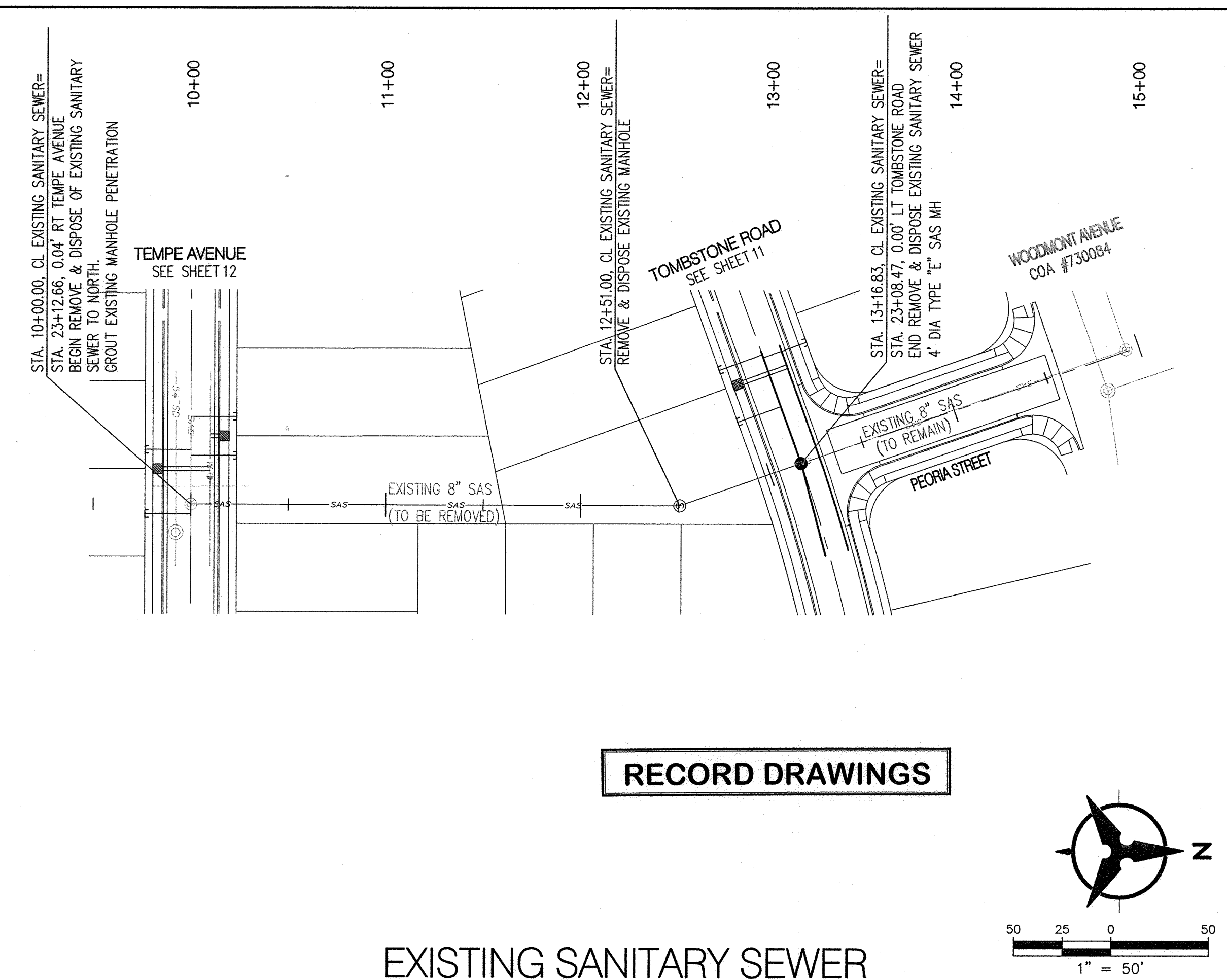
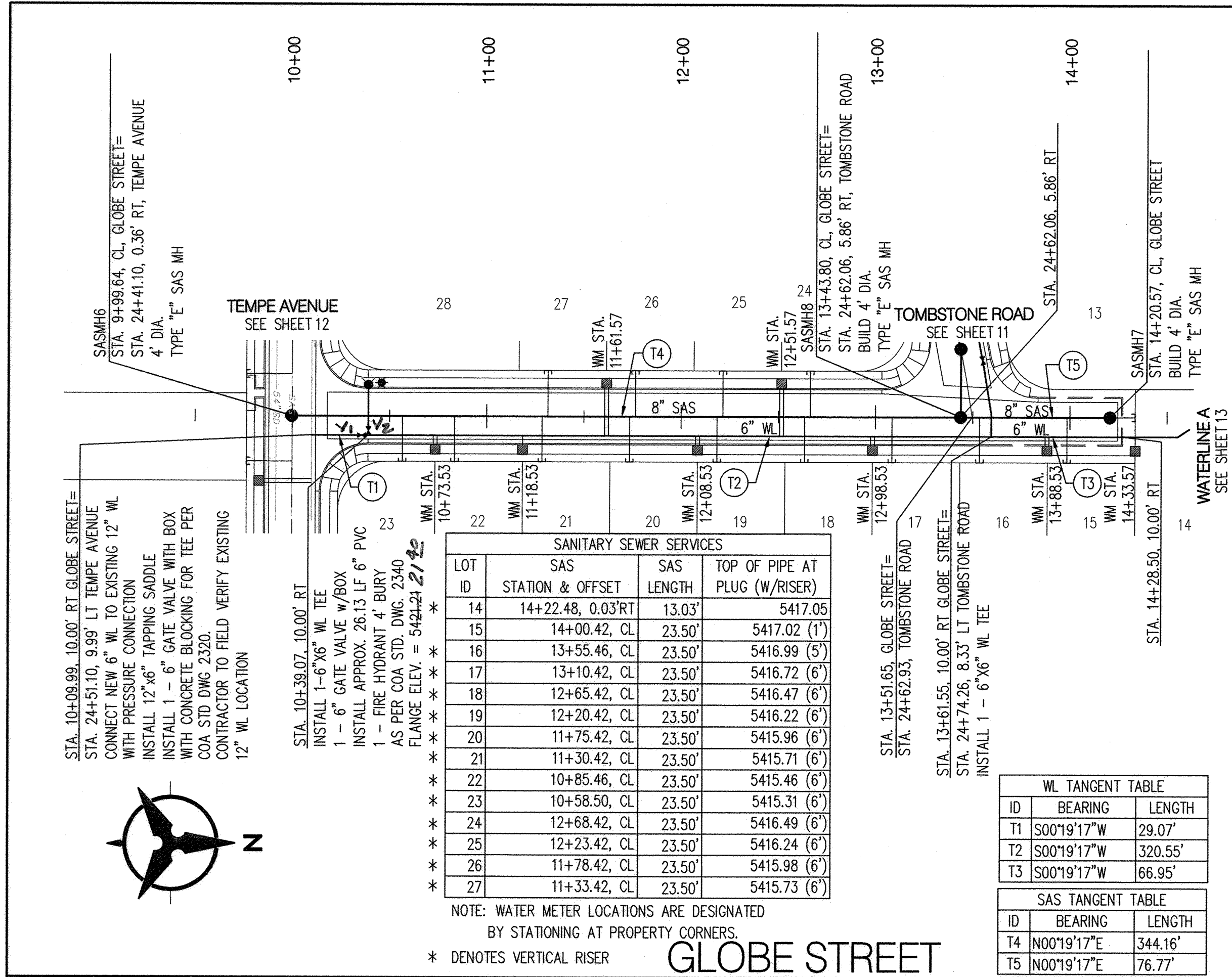
Bohannon & Huston



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TIERRA VISTA UNIT 2 at the TRAILS
OVERALL UTILITY PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAR 04 2014 DESIGN REVIEW COMMITTEE	APPROVED MAR 16 2014 CITY ENGINEER		
City Project No.	Zone Map No.	Sheet	Of
730074	C-09-Z	9	15



GENERAL NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL CURVE DATA AND DIMENSIONS ARE CALCULATED FROM CENTERLINE OF PIPE OR MANHOLE. ALL SAS & SD SLOPES ARE CALCULATED TO TRUE PIPE DIMENSIONS FROM INVERT TO INVERT. (PAY ITEMS ARE SHOWN IN PARENTHESES)
- GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND E.M.S. AT THE END OF EACH SANITARY SEWER SERVICE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL DAMAGED EXISTING UTILITY CONDUITS AND EXISTING LINES.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS WITH THE PROPOSED HYDRO-STATIC PRESSURE TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, LANDSCAPING, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
- MH RIMS & CATCH BASIN INLET ELEVATIONS, FIRE HYDRANT & FLANGE ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
- SAS STATIONING FOLLOWS CL OF ROAD UNLESS OTHERWISE NOTED.
- STATIONING OF DROP INLET IS TO MIDDLE OF DOWN HILL GRATE AT FACE OF CURB.
- FLOWLINE ELEVATIONS FOR DROP INLETS ARE PROJECTED FROM FLOWLINE OF STANDARD CURB TO MIDDLE OF DOWNHILL GRATE.
- ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSES AND APPURTENANCES SHALL USE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS.
- AT UTILITY CROSSING WHERE LESS THAN 1 FOOT OF COVER OVER STORM DRAIN PIPE IS PRESENT LEAN FILL IS TO BE USED FOR A DISTANCE OF 5 FEET ON EACH SIDE OF THE SD & FROM TOP OF STORM DRAIN TO BOTTOM OF SANITARY SEWER OR WATER LINE.
- ADJUST EXISTING SAS MH RIMS, SD MH RIMS & VALVES TO FINISH GRADE ON TEMPE AVENUE.

LEGEND

- DOUBLE WATER METER
- SINGLE WATER METER
- WATER LINE SHUTOFF VALVE
- WATER LINE TEE
- SAS LATERAL
- SAS MANHOLE
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- PROPOSED FIRE HYDRANT
- EXISTING WATER VALVE

COORDINATES ARE SURFACE

"AS-BUILT" LOCATION OF MANHOLES & VALVES

VALVE / MH	NORTHING	EASTING
M146	1521785.74	1497306.30
M148	1522069.53	1497310.11
M147	1522145.50	1497310.62
V1	1521762.67	1497318.15
V2	1521765.08	1497316.01

NOTE: TO BE COMPLETED BY CONTRACTOR PRIOR TO ACCEPTANCE

Bohannon & Huston

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

TIERRA VISTA UNIT 2 at the TRAILS UTILITY PLAN AND PROFILE GLOBE STREET/EXISTING SANITARY SEWER

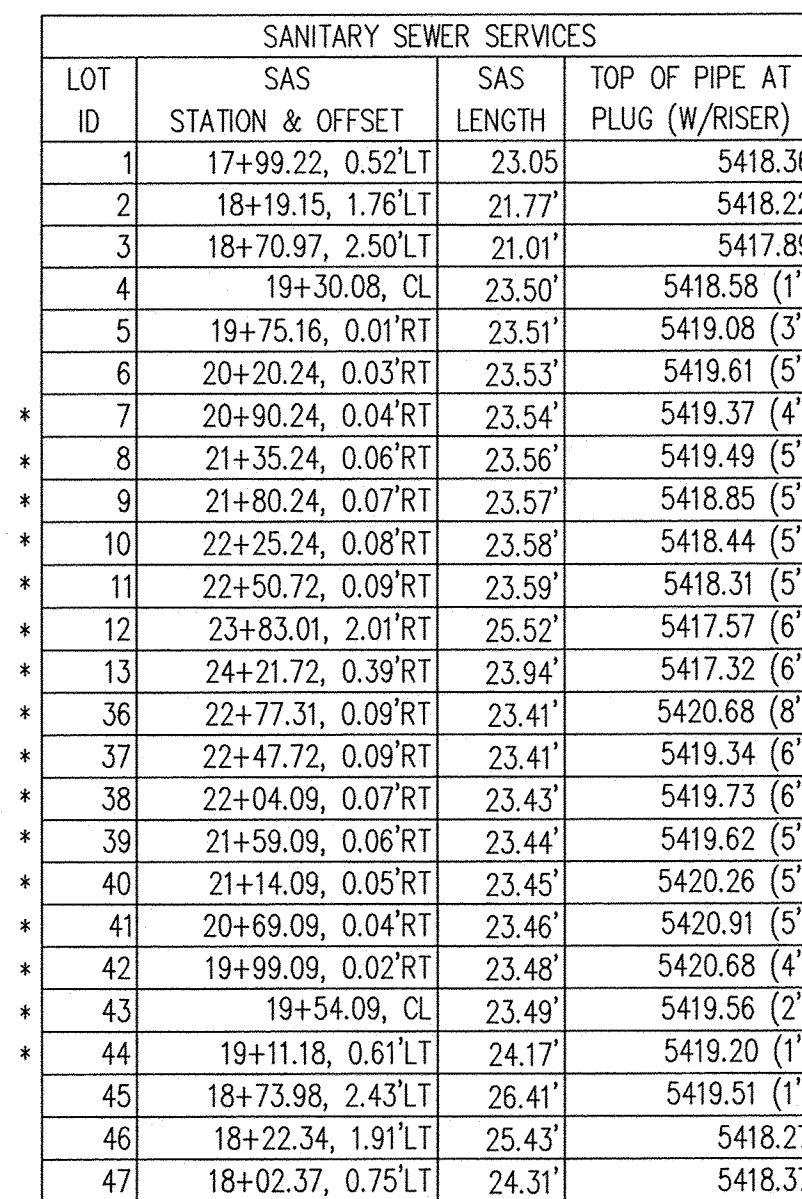
Design Review Committee APPROVED MAR 04 2014

City Engineer Approval APPROVED APR 16 2014

City Project No. 730074

Zone Map No. C-09-Z

Sheet 10 of 15



NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

* DENOTES VERTICAL RISER

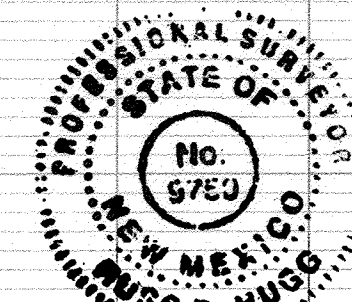
TOMBSTONE ROAD

ELEVATIONS ARE IN NGVD 88



I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750



GENERAL NOTES

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3. GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
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9. MH RIMS & CATCH BASIN INLET ELEVATIONS, FIRE HYDRANT & FLANGE ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
10. SAS STATIONINGS FOLLOW CL OF ROAD UNLESS OTHERWISE NOTED.
11. STATIONINGS OF DROP INLET IS TO MIDDLE OF DOWN HILL GRATE AT FACE OF CURB.
12. FLOWLINE ELEVATIONS FOR DROP INLETS ARE PROJECTED FROM FLOWLINE OF STANDARD CURB TO MIDDLE OF DOWNHILL GRATE.
13. ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSINGS AND APPURTENANCES SHALL USE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS.
14. AT UTILITY CROSSING WHERE LESS THAN 1 FOOT OF COVER OVER STORM DRAIN PIPE IS PRESENT LEAN FILL IS TO BE USED FOR A DISTANCE OF 5 FEET ON EACH SIDE OF THE SD & FROM TOP OF STORM DRAIN TO BOTTOM OF SANITARY SENEOR OR WATER LINE.
15. ADJUST EXISTING SAS MH RIMS, SD MH RIMS & VALVES TO FINISH GRADE ON TEMPE AVENUE.

LEGEND

- | | |
|---|--------------------------|
|  | DOUBLE WATER METER |
|  | SINGLE WATER METER |
|  | WATER LINE SHUTOFF VALVE |
|  | WATER LINE TEE |
|  | SAS LATERAL |
|  | SAS MANHOLE |
|  | STORM DRAIN MANHOLE |
|  | STORM DRAIN INLET |
|  | PROPOSED FIRE HYDRANT |
|  | EXISTING WATER VALVE |

COORDINATE APP SURFACE

"AS-BUILT" LOCATION OF MANHOLES & VALVES

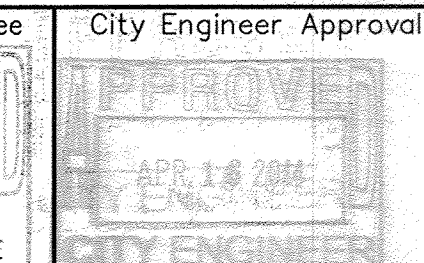
VALVE / MH	NORTHING	EASTING
MH7	SEE SHEET 10	
MH11	1521875.98	1496669.26
MH10	1521907.69	1496792.74
MH9	1522039.72	1497159.14
V3	1522080.44	1497280.52
V4	1522075.12	1497261.44

NOTE: TO BE COMPLETED BY CONTRACTOR PRIOR TO ACCEPTANCE

Bohannon Huston

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TIERRA VISTA UNIT 2 at the TRAILS
UTILITY PLAN AND PROFILE
TOMBSTONE ROAD



ast Design Update

Mo.

Day/Yr.

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Mo./Day/

Yr.

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October 04, 2011 - 5:09pm

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

City Project No.

730074

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Zone Map No.
C-09-7

Sheet	
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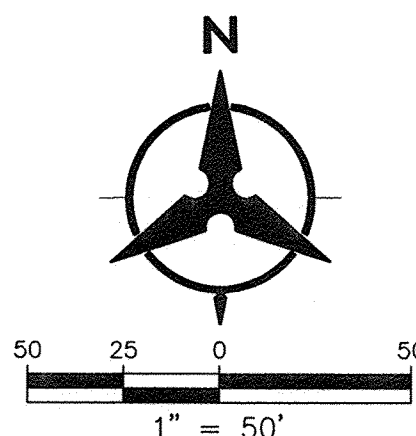
15	15
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SANITARY SEWER SERVICES				
LOT ID	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)	
28	23+82.58, 0.12'RT	23.62'	5415.20 (5)	
29	23+57.58, 0.09'RT	23.59'	5415.25 (5)	
30	22+87.61, 0.03'RT	23.53'	5415.57 (5)	
31	22+67.60, 0.02'RT	23.52'	5416.14 (6)	
32	22+22.67, CL	23.50'	5415.70 (5)	
33	21+77.61, 0.01'LT	23.49'	5415.78 (5)	
34	21+32.61, 0.03'LT	23.47'	5416.40 (6)	
35	19+99.41, 0.09'RT	23.59'	5416.95 (6)	
48	18+34.44, 0.51'RT	22.99'	5418.51 (7)	
49	18+79.50, 0.39'RT	23.11'	5418.65 (7)	
50	19+01.20, 0.34'RT	23.16'	5418.61 (7)	
51	19+69.44, 0.17'RT	23.33'	5419.24 (8)	
52	20+114.44, 0.05'RT	23.45'	5418.39 (7)	
53	20+47.01, 0.03'LT	23.53'	5418.33 (7)	
54	21+04.51, 0.04'LT	23.54'	5417.93 (7)	
55	21+49.51, 0.02'LT	23.52'	5417.84 (7)	
56	21+94.51, CL	23.51'	5417.75 (7)	
57	22+39.50, 0.33'RT	23.17'	5417.65 (7)	
58	22+84.61, 0.03'RT	23.47'	5417.57 (7)	
59	23+17.66, 0.04'RT	23.46'	5417.34 (7)	
60	23+74.63, 0.11'RT	23.39'	5417.21 (7)	
61	24+19.63, 0.16'RT	23.34'	5417.10 (7)	
62	24+64.63, 0.21'RT	23.29'	5416.99 (7)	
63	25+09.63, 0.26'RT	23.24'	5416.88 (7)	
64	25+54.63, 0.31'RT	23.19'	5416.55 (7)	

NOTE: WATER METER LOCATIONS ARE DESIGNATED
BY STATIONING AT PROPERTY CORNERS.

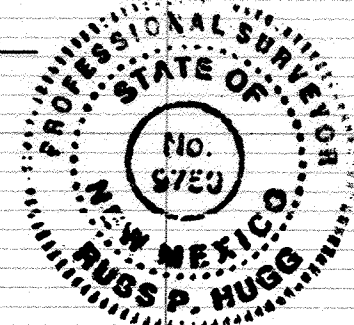
* DENOTES VERTICAL RISER

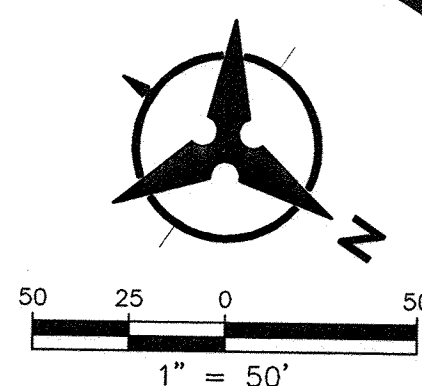
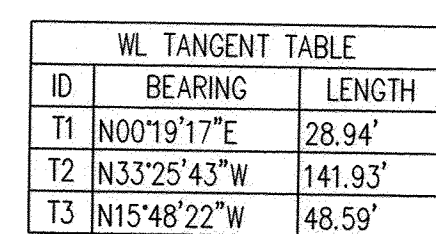


ELEVATIONS ARE IN NGVD 88

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
3/26, 2014

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WATERLINE A

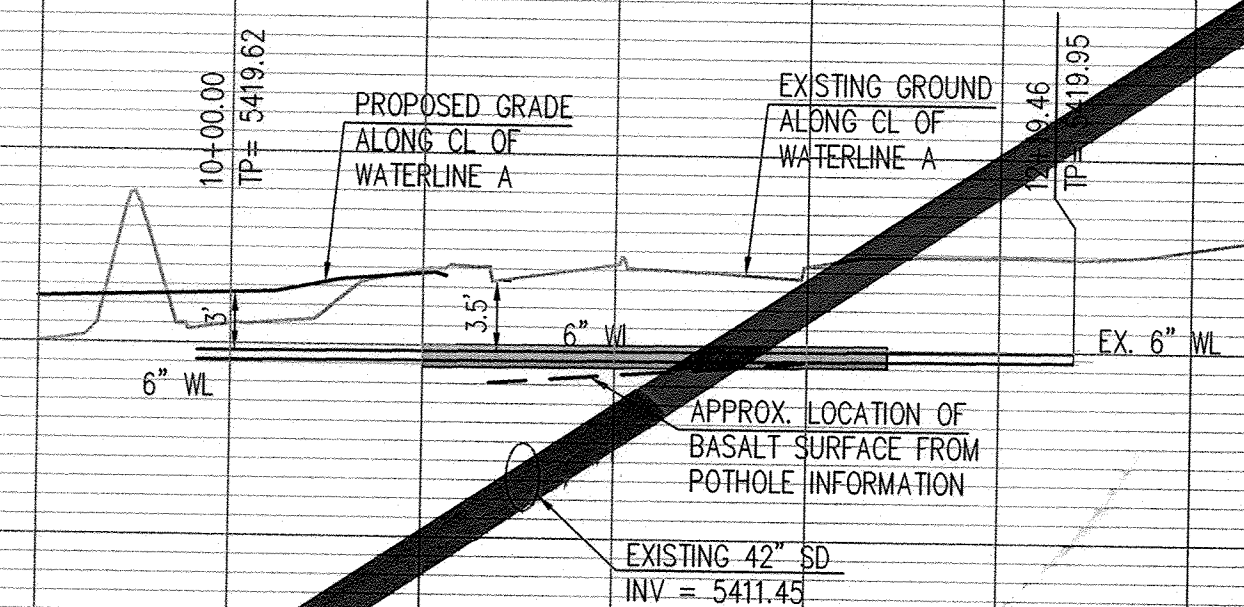
NOTES:

1. CONTINUOR TO USE FULLY RESTRAINED PIPE
PASSING THROUGH THE STEEL CASING
USE PSI MODEL S8GN2 METALLIC CASING
SPACERS OR APPROVED EQUIVALENT. INSTALL
PER MANUFACTURERS RECOMMENDATIONS.

RECORD DRAWINGS

ELEVATIONS ARE IN NGVD 88

 DELETE THIS SHEET



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15. ADJUST EXISTING SACS MH RIMS, SD MH RIMS & VALVES TO FINISH GRADE ON TEMPE AVENUE.

LEGEND

- | | |
|---|--------------------------|
|  | DOUBLE WATER METER |
|  | SINGLE WATER METER |
|  | WATER LINE SHUTOFF VALVE |
|  | WATER LINE TEE |
|  | SAS LATERAL |
|  | SAS MANHOLE |
|  | STORM DRAIN MANHOLE |
|  | STORM DRAIN INLET |
|  | PROPOSED FIRE HYDRANT |
|  | EXISTING WATER VALVE |

"AS-BUILT" LOCATION OF MANHOLES & VALVES

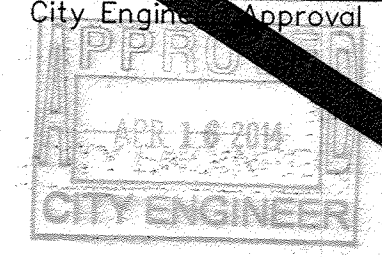
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NOTE: TO BE COMPLETED BY CONTRACTOR PRIOR TO ACCEPTANCE



**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

TRAILS
COMMUNITY PLAN AND PROFILE
WATERLINE A



~~Cost Design Update~~

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City Project No.

730074

Zone Map No.
C-09-Z

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February 10, 2014 - 3:58pm

SCALE: $1'' = 50'$ (HORIZ.)
 $1'' = 10'$ (VERT.)

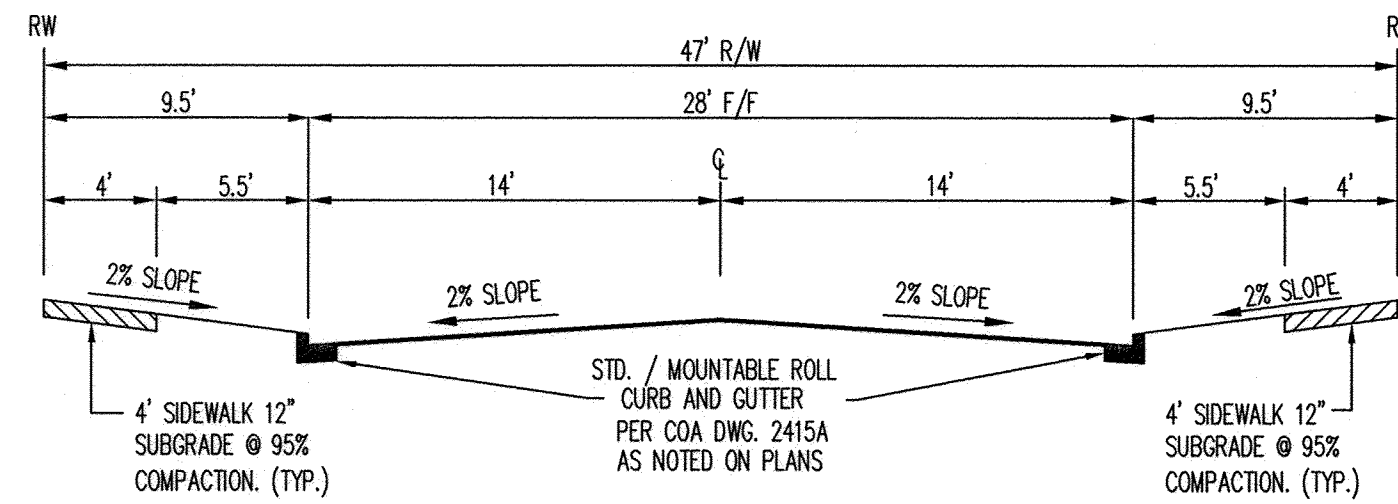
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Zone Map No.
C-09-Z

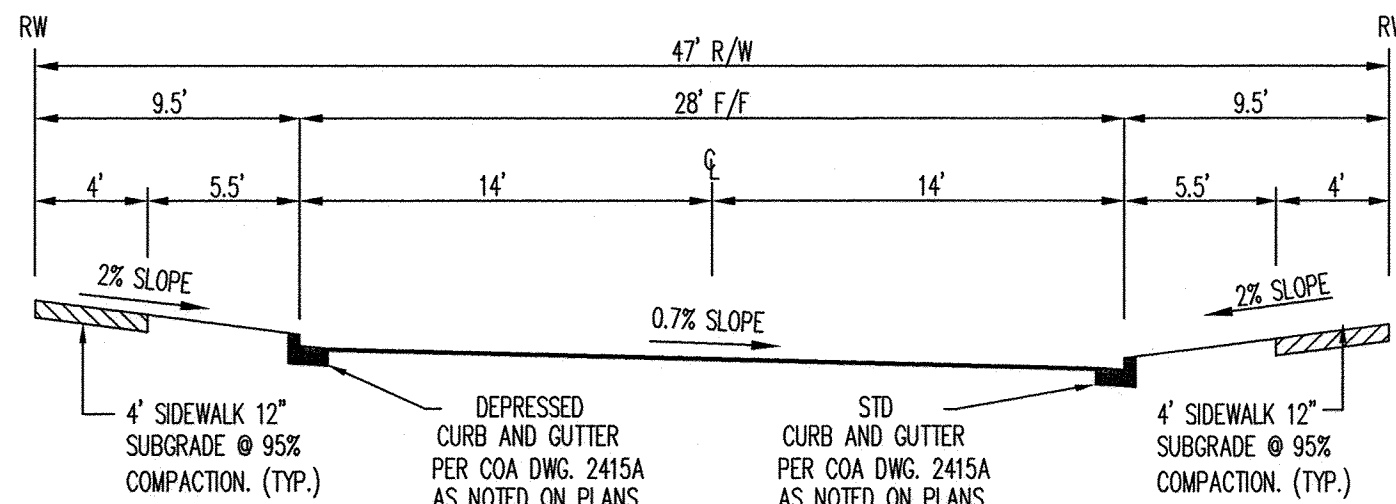
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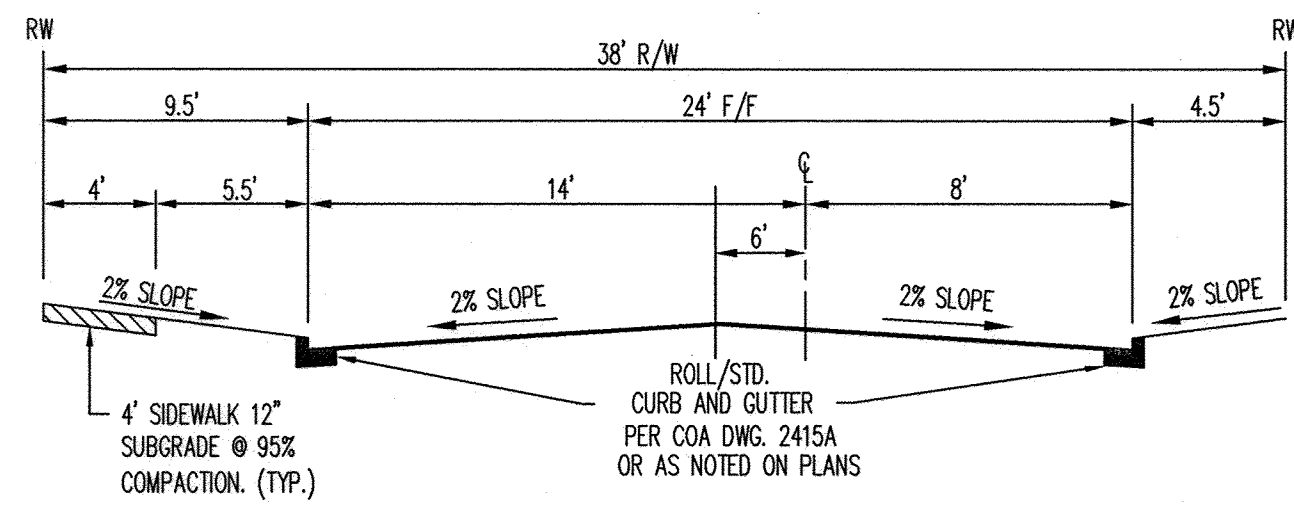
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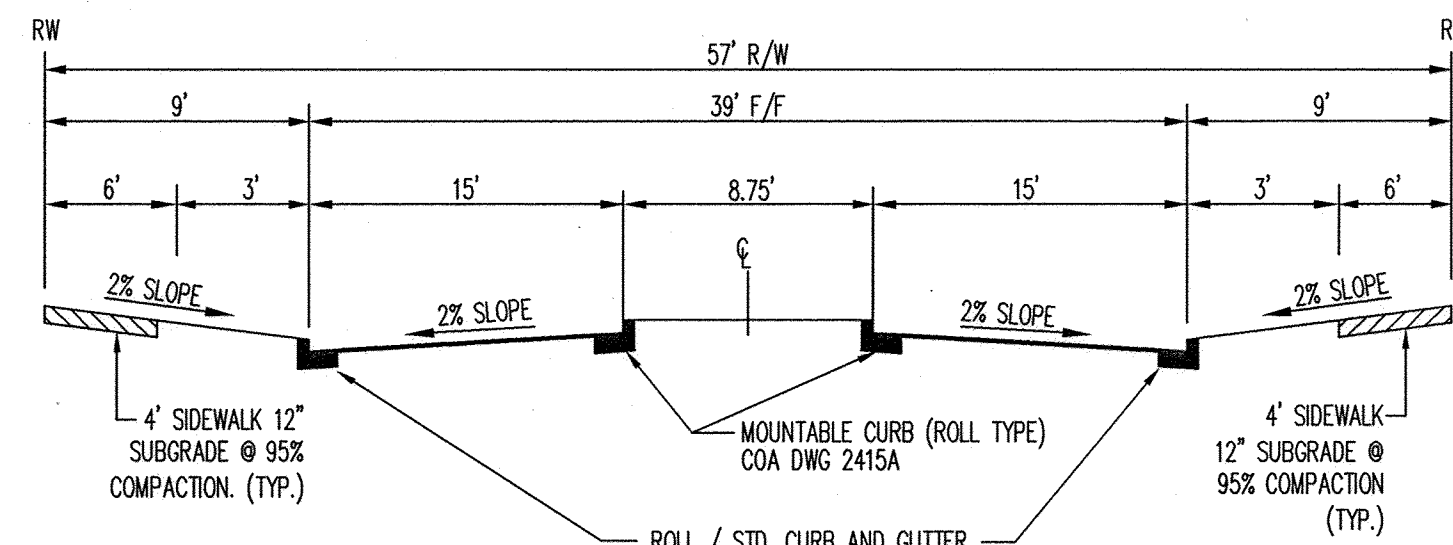
SECTION A-A
TYPICAL RESIDENTIAL STREET - 47' R/W
NOT TO SCALE



SECTION B-B
PEORIA STREET - 47' R/W
NOT TO SCALE

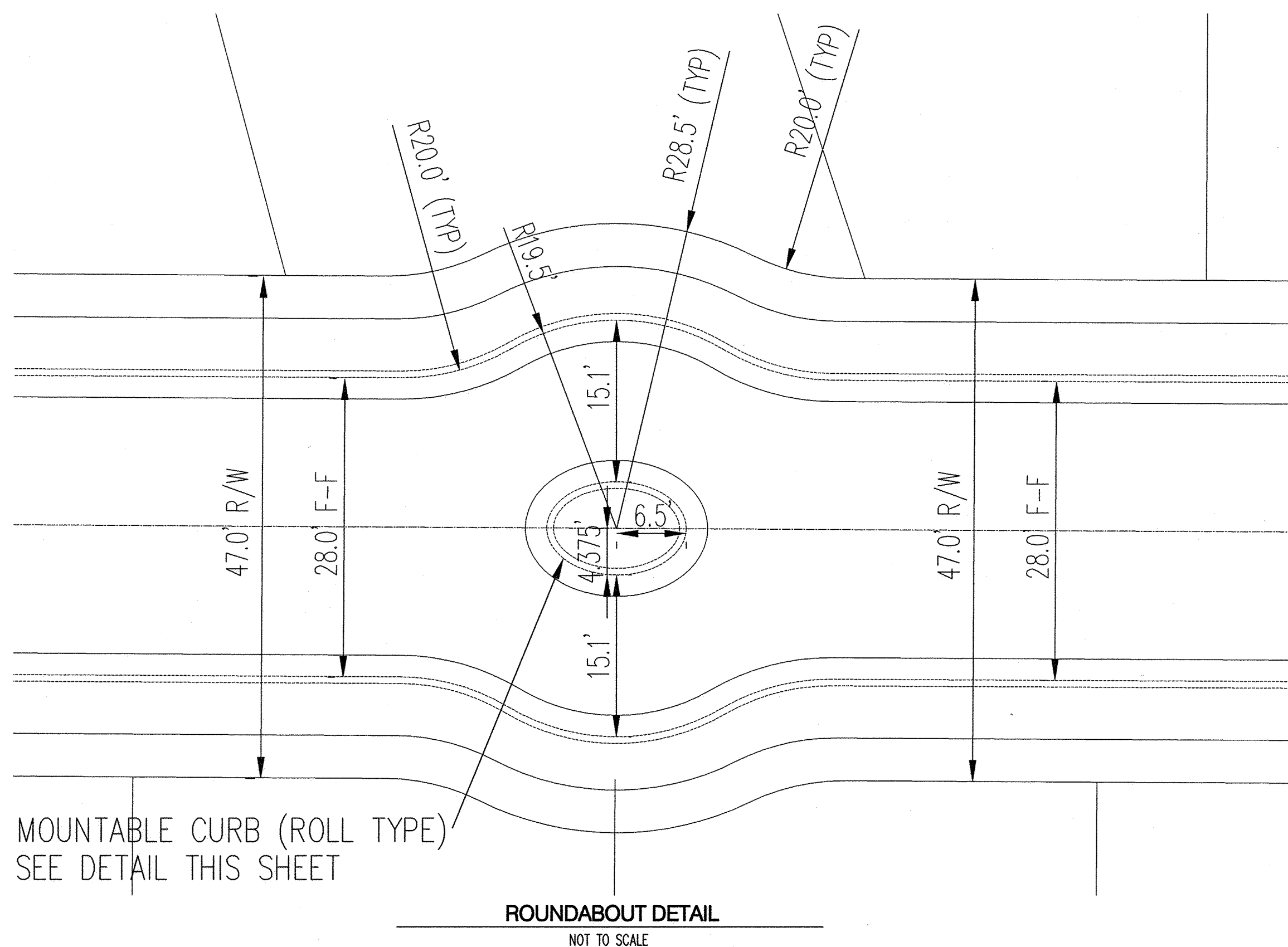


SECTION C-C
TYPICAL RESIDENTIAL STREET - 38' R/W
NOT TO SCALE



SECTION D-D
ROUNDABOUT LOCATIONS
NOT TO SCALE

NOTE:
REFER TO INDIVIDUAL PAVING PLAN AND PROFILE SHEETS FOR LOCATION OF DEFERRED SIDEWALKS AND TRANSITION LOCATIONS OF ROLL CURB TO STANDARD CURB & GUTTER.



FINISH SURFACES OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT THE COMPACTION MOISTURE RANGE, OR A PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/ FINAL SURFACING IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION ARE COMPLETED.

NOTE:
SOIL NOT HAVING THE MINIMUM R-VALUE ≥ 50 SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED BY THE CONTRACTOR WITH SUITABLE MATERIAL OR A PAVEMENT SECTION SHALL BE DESIGNED BY THE CONSULTANT ACCOMMODATING THE EXISTING R-VALUE PER COA STANDARD SPECS.

RESIDENTIAL PAVEMENT SECTION - 3" ASPHALT

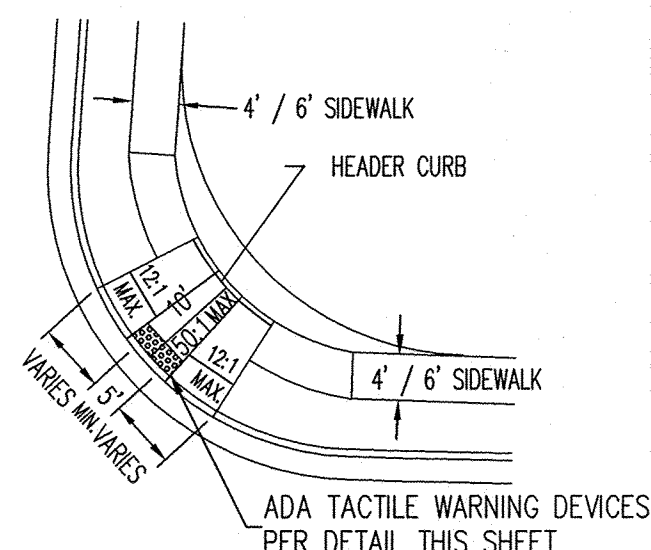
AS PER COA STD. DWG. 2405A
NOT TO SCALE

FINISH SURFACES OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT THE COMPACTION MOISTURE RANGE, OR A PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/ FINAL SURFACING IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION ARE COMPLETED.

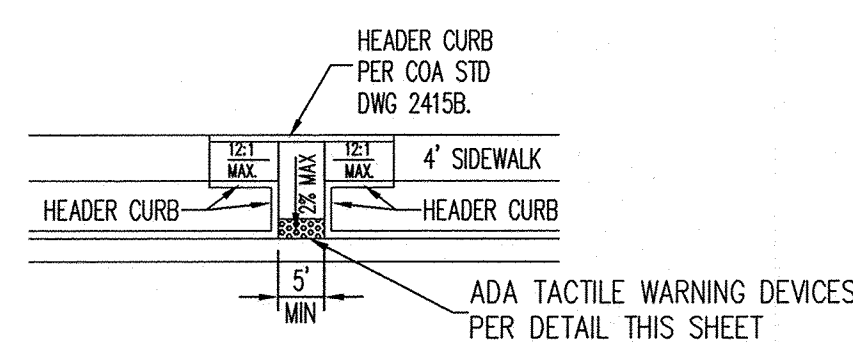
NOTE:
SOIL NOT HAVING THE MINIMUM R-VALUE ≥ 50 SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED BY THE CONTRACTOR WITH SUITABLE MATERIAL OR A PAVEMENT SECTION SHALL BE DESIGNED BY THE CONSULTANT ACCOMMODATING THE EXISTING R-VALUE PER COA STANDARD SPECS.

RESIDENTIAL PAVEMENT SECTION - 4" ASPHALT

AS PER COA STD. DWG. 2405B
NOT TO SCALE



WHEELCHAIR RAMP DETAIL
SEE MODIFIED COA STD. DWG. 2441 CASE II
NOT TO SCALE



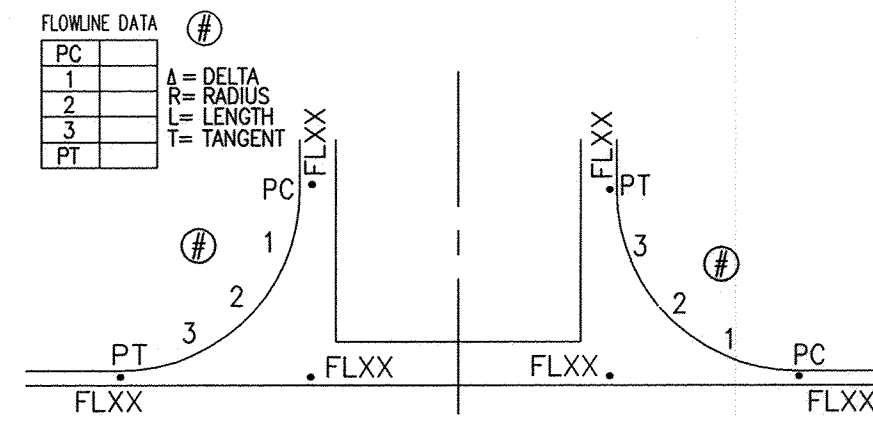
WHEELCHAIR RAMP DETAIL
SEE MODIFIED COA STD. DWG. 2440
NOT TO SCALE

1.5" ASPHALT CONCRETE TYPICAL FINISH COURSE PLACED AFTER ALL MANHOLE & VALVE COVERS/RINGS ARE SET TO GRADE, RESIDENTIAL, TYPE C.

TACK COAT AS REQUIRED BY THE ENGINEER BETWEEN ALL ASPHALT/AGGREGATE MATERIAL LIFTS.

1.5" ASPHALT CONCRETE, RESIDENTIAL, TYPE C.

SUBGRADE SOIL: R-VALUE ≥ 50 . PLACED IN 2-6" LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE $\pm 2.0\%$ ASTM D698 FOR SOIL W/ 35% OR MORE PASSING THE 200 SIEVE.



TYPICAL INTERSECTION RETURNS DETAIL
NOT TO SCALE

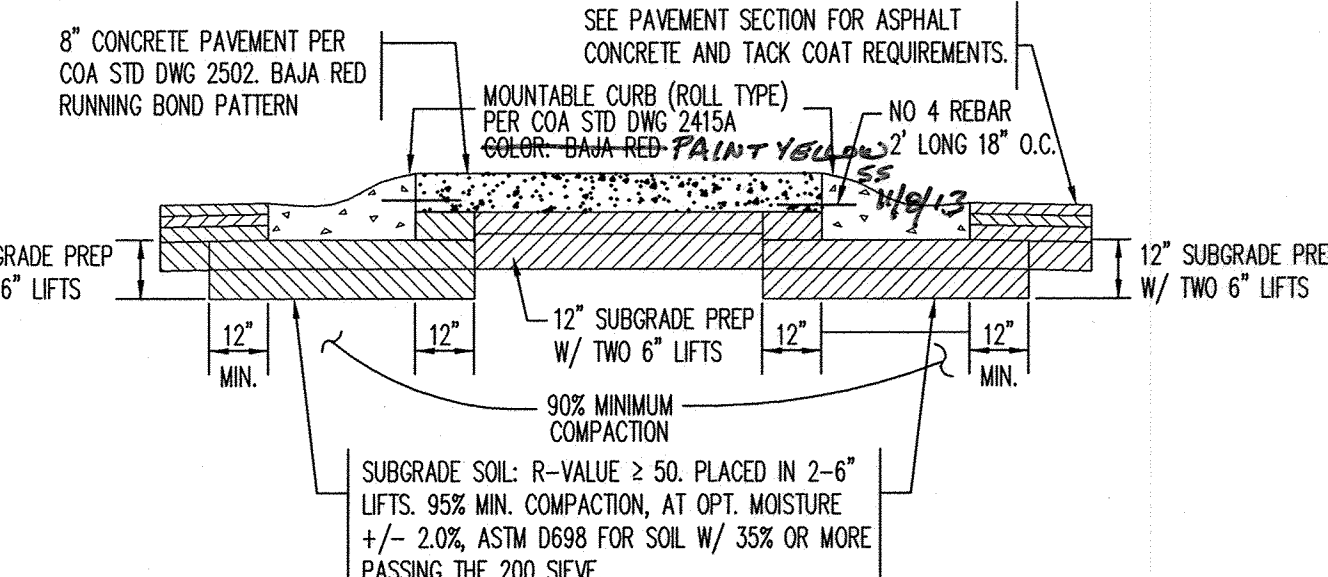
2.0" ASPHALT CONCRETE TYPICAL FINISH COURSE PLACED AFTER ALL MANHOLE & VALVE COVERS/RINGS ARE SET TO GRADE, RESIDENTIAL, TYPE B.

TACK COAT AS REQUIRED BY THE ENGINEER BETWEEN ALL ASPHALT/AGGREGATE MATERIAL LIFTS.

2.0" ASPHALT CONCRETE, RESIDENTIAL, TYPE B.

SUBGRADE SOIL: R-VALUE ≥ 50 . PLACED IN 2-6" LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE $\pm 2.0\%$ ASTM D698 FOR SOIL W/ 35% OR MORE PASSING THE 200 SIEVE.

RECORD DRAWINGS

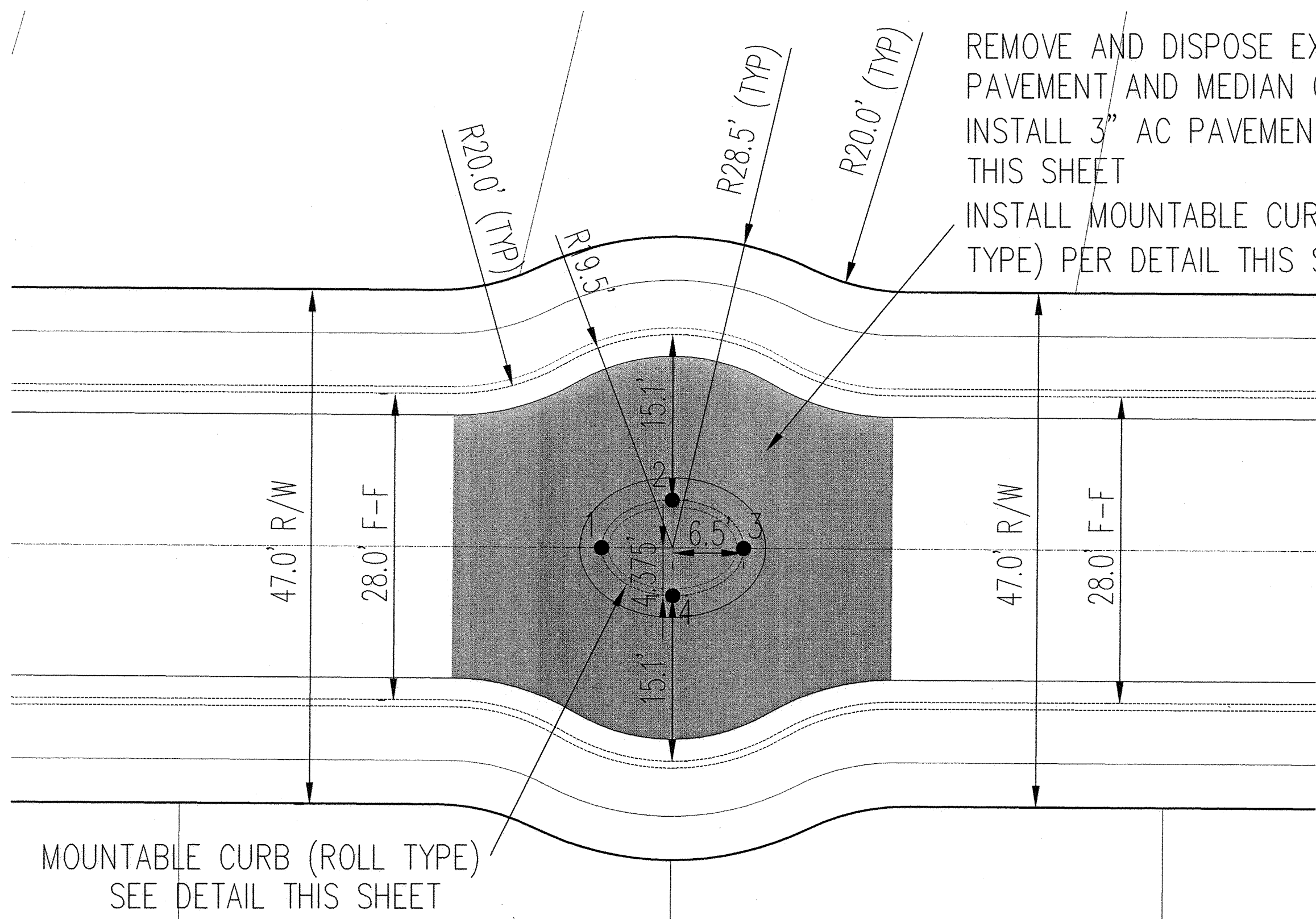


MOUNTABLE CURB TYPE (ROLL TYPE)
NOT TO SCALE (PER COA STD DWG 2415A)

ADA TACTILE WARNING DEVICES

NOT TO SCALE
CONTRACTOR SHALL INSTALL ADA TACTILE WARNING DEVICES ON NEW CURB RAMP. DESIGN PER ADA GUIDELINES. SUBMIT SPECIFICATIONS TO THE CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION			
		FIELD NOTES							
		NO.	BY	DATE					
No.	Date	REMARKS							
		REVISIONS							
		DESIGN							
Designed By: SJS		DATE:05/2011							
Drawn By: DH		DATE:05/2011							
Checked By: SJS		DATE:05/2011							



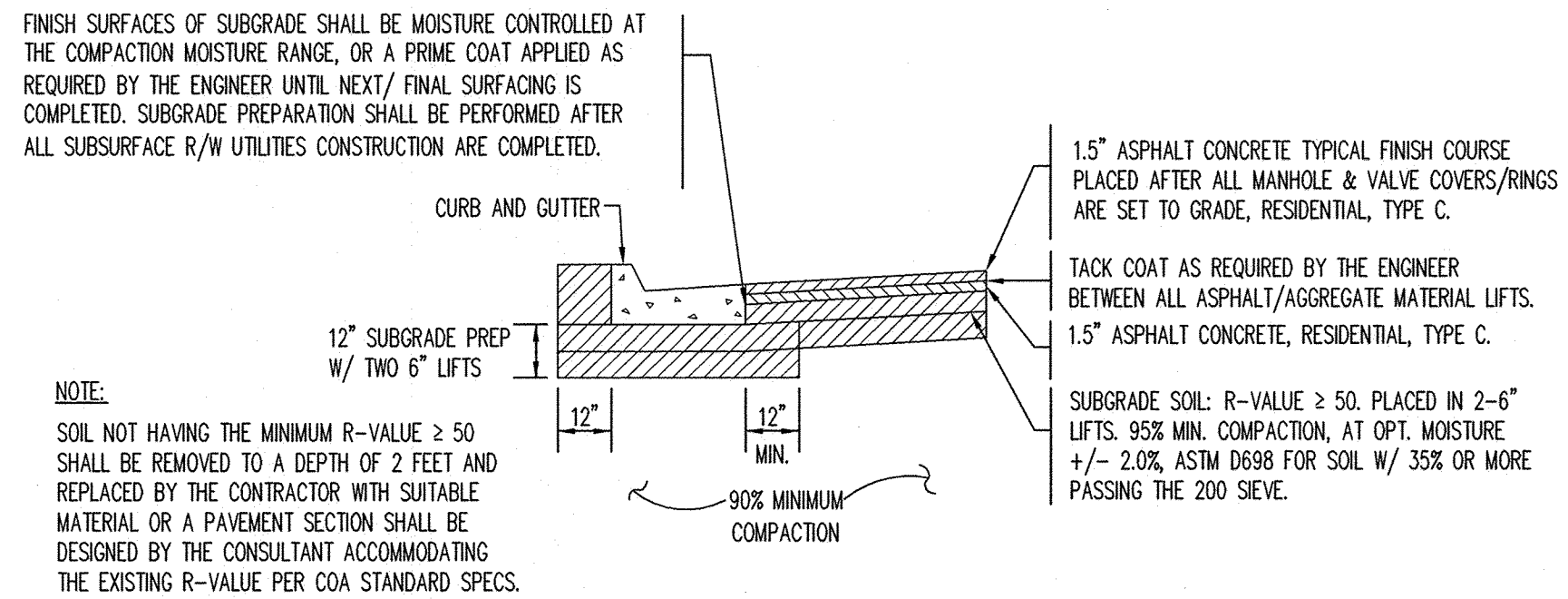
MOUNTABLE CURB (ROLL TYPE)
SEE DETAIL THIS SHEET

ROUNABOUT DETAIL
NOT TO SCALE

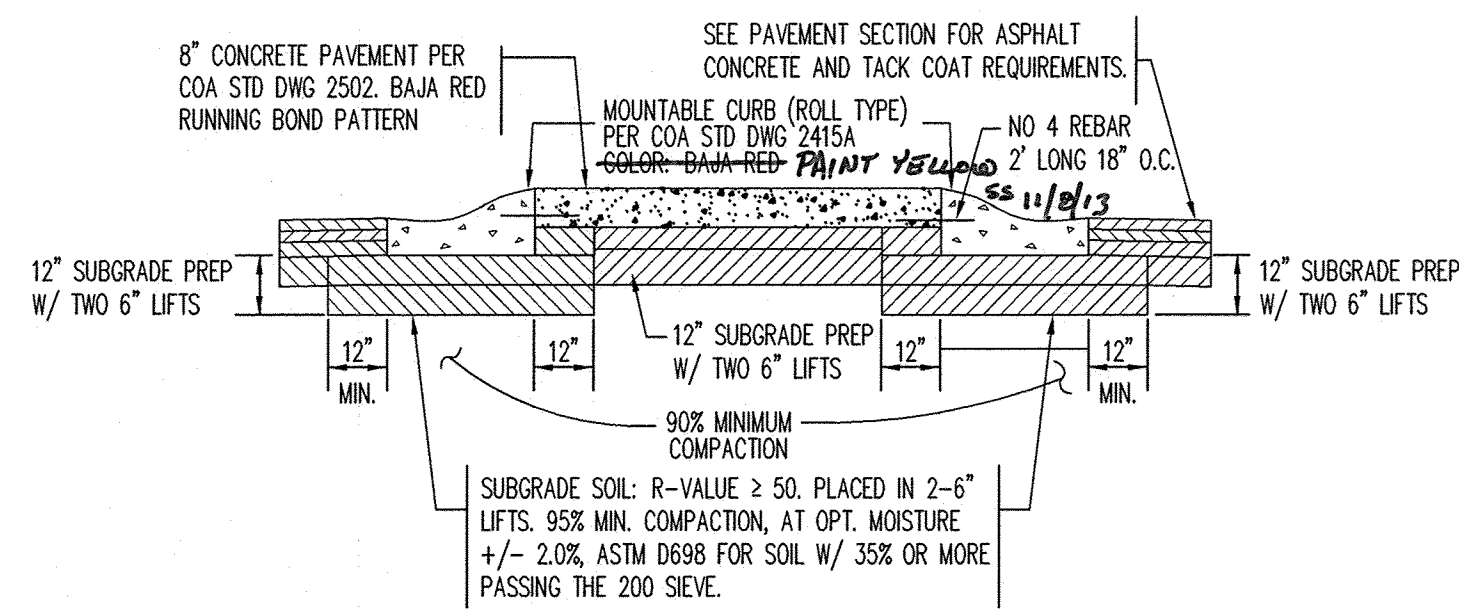
Tempe Ave. Median Curb Point Table		
STATION	OFFSET	ELEVATION
1 13+87.97	0.00' LT	5423.05
2 13+94.47	4.37' LT	5423.02
3 14+00.97	0.00' RT	5423.10
4 13+94.47	4.37' RT	5423.03

Tombstone Road Median Curb Point Table		
STATION	OFFSET	ELEVATION
1 13+89.41	0.00' LT	5422.60
2 13+95.93	4.41' LT	5422.52
3 14+01.78	0.00' RT	5422.55
4 13+95.89	4.34' RT	5422.52

REMOVE AND DISPOSE EXISTING AC PAVEMENT AND MEDIAN CURB AND GUTTER.
INSTALL 3" AC PAVEMENT PER SECTION 'A' THIS SHEET
INSTALL MOUNTABLE CURB TYPE (ROLL TYPE) PER DETAIL THIS SHEET.



RESIDENTIAL PAVEMENT SECTION - 3" ASPHALT
AS PER COA STD. DWG. 2405A
NOT TO SCALE

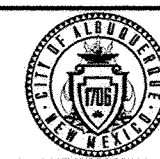


MOUNTABLE CURB TYPE (ROLL TYPE)
NOT TO SCALE (PER COA STD DWG 2415A)

RECORD DRAWINGS

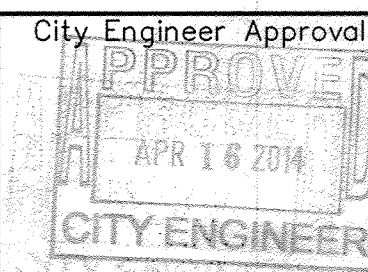
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	AC'S BRASS TABLET STAMPED	DATE	NO.	BY		No. Date REMARKS REVISIONS DESIGN
STAMPED BY	DATE	GEOGRAPHIC POSITION (NAD 83)	DATE				
INSPECTOR'S	DATE	N.M. STATE PLANE COORDINATES (CENTRAL ZONE)	DATE				
FIELD	DATE	X = 1,499,200.29 Y = 1,521,836.43	DATE				
VERIFICATION BY	DATE	GROUND-TO-GRID FACTOR = 0.999667290	DATE				
CORRECTED BY	DATE	Δm = -00'16"20"	DATE				
MICROFILM INFORMATION	DATE	NAVD 1988 ELEVATION = 5425.21	DATE				
RECORDED BY	DATE		DATE				
NO.							

Bohannon & Huston



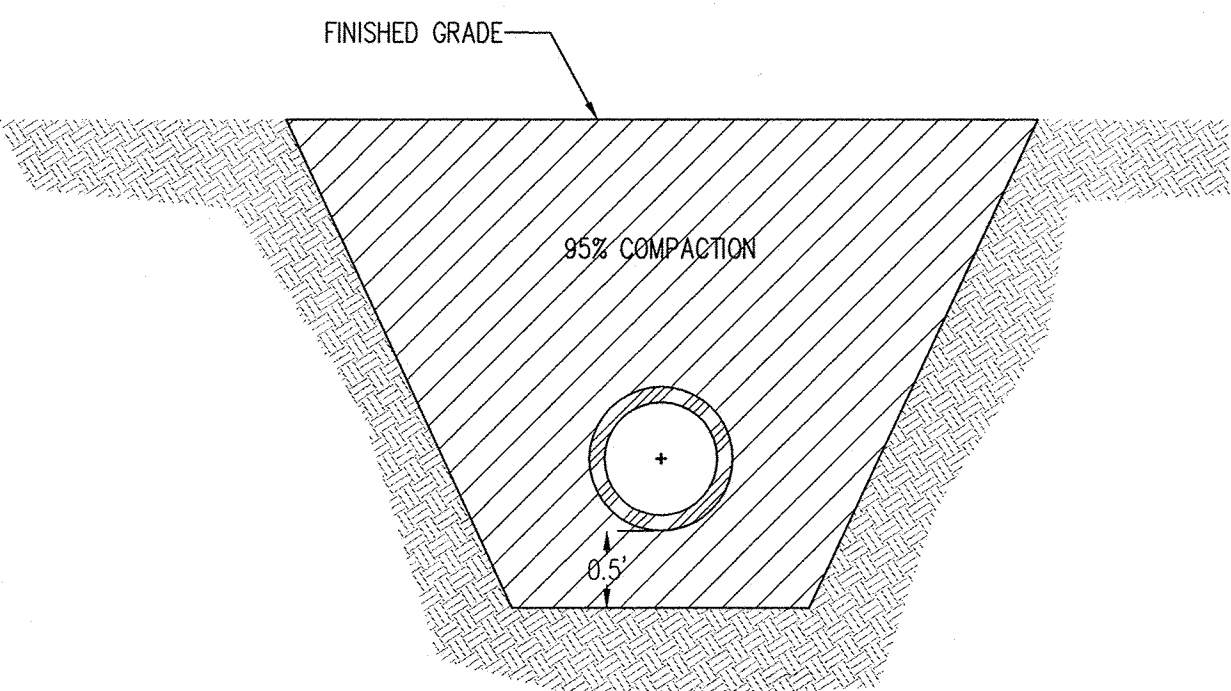
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TIERRA VISTA UNIT 1 at the TRAILS
MISCELLANEOUS PAVING DETAILS

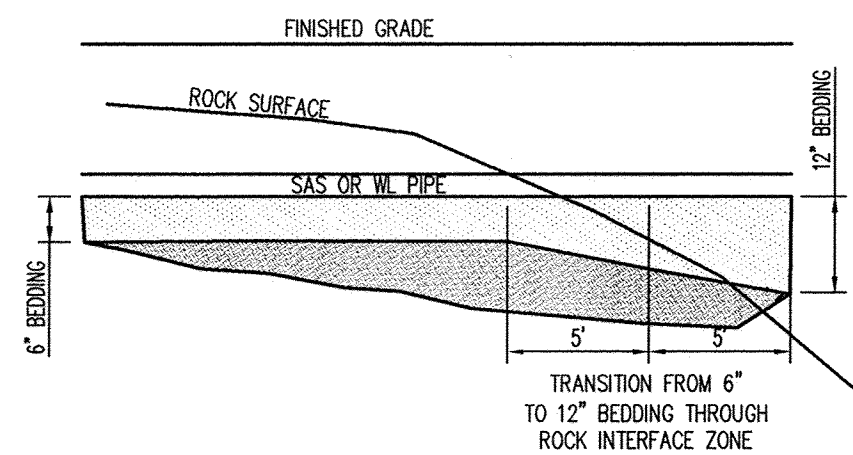


Mo./Day/Yr.	Mo./Day/Yr.

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ABCWUA TYPICAL TRENCH COMPACTION DETAIL
FOR PUBLIC WATER AND SANITARY SEWER LINES
NOT TO SCALE



ROCK TRENCH DETAIL
NOT TO SCALE

NOTE: NO CRUSHED/BLASTED BASALT WITHIN 1' OF SAS OR WL PIPE

SUPPLEMENTAL SPECIFICATION

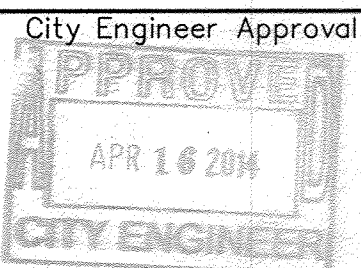
RECORD DRAWINGS

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CITY OF ALBUQUERQUE

TIERRA VISTA UNIT 2 at the TRAILS
MISCELLANEOUS UTILITY DETAILS



Update
Last Design

Mo./Day/Yr.	Mo./Day/Yr.

City Project No.

730074

Zone Map No.

C-09-Z

Sheet

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SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	BY	DATE	CONTROL STATION	CONTRACTOR	DATE
			"SDC_3_3"	Franklin's	9/14
			N.M. STATE PLANE COORDINATE SYSTEM	STAFFED BY	DATE
			(CENTRAL ZONE)(NAD 83)	INSPECTOR'S FIELD	DATE
			N = 1,456,130.230 E = 1,518,439.096	BY BHT	9/14
			GROUND-TO-GRID FACTOR = 0.999682809	VERIFICATION BY	DATE
			$\Delta \alpha = -00^{\circ}14'01.10''$	BY BHT	9/14
			ELEVATION = 4,978.58 (NAVD 1988)	CORRECTED BY	DATE
				RECORDED BY	DATE
				NO.	



No.	Date	REMARKS	By
		REVISIONS	
		DESIGN	
Designed By:	SJS	DATE:05/2011	
Drawn By:	DH	DATE:05/2011	
Checked By:	SJS	DATE:05/2011	